

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997
From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [14444] 'Nuther New Kit!
Message-ID: <199703090437.VAA25909@lynx.csn.net>

Further to my recent posting on the AADE digital frequency counter, I've also decided to offer AADE's Inductance and Capacitance Meter kit, LC Meter IIB. One look at the specs and you'll see why-- it compares VERY favorably with the HP4275A and the B&K 878, yet it's only 90 bucks . An image is available on the web site--
<http://www.mtechnologies.com/mthome>

73
Marshall

New!
AADE LC METER IIB

Milestone Technologies is delighted to offer the Model IIB Inductance and Capacitance Meter from Almost All Digital Electronics, in the form of a complete kit or assembled and tested unit. The LC Meter IIB is a hand-held, digital inductance/capacitance meter with a four digit display, a maximum resolution of 1 nHy / .01 pF and a maximum range of 150 mHy / 1.5 uF. The IIB features automatic ranging and self-calibration. "It is a solder it together and it works kit," complete including enclosure, with nothing to add but a battery..

RANGE: .001 uHy (1 nHy) to 100 mHy; .010 pf to 1 uF with automatic ranging.

ACCURACY: 1% of reading typical, self-calibrating. The L/C Meter IIB zeros out stray inductance and capacitance from test leads (any value in its range) by storing their values in RAM and subtracting them from the measured values.

DISPLAY: 16 character LCD display module, with four digit resolution and direct display in engineering units and jumper option to display pF, nF, uF (ie: 10 nF instead of .01 uF)

MODES: When the Lx and Cx switches are off the ZERO switch acts as a MODE SELECT, offering five modes of operation. The operational modes allow you to measure in micro or nano units, and to match (compare components) with differences displayed in micro or nano units, or percent.

The complete kit includes a machined case with front panel decal,

or you can purchase the LC Meter IIB assembled and tested. A kit of parts for test leads (banana plugs, wire and alligator clips) is included free.

Price: Kit only \$89.95! Assembled and Tested \$119.95
Add \$4.00 for 1st Class Mail, \$5.00 for Priority Mail.
CO residents please add sales tax.

Milestone Technologies, Inc.
3140 S. Peoria St. Unit K-156
Aurora, CO 80014-3155
(303) 752-3382
www.mtechnologies.com/mthome

Orders:(800) 238-8205

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997
From: tayloe_d@juno.com (Daniel R Tayloe)
Subject: [14405] 12v Gell Cell Charger
Message-ID: <19970311.203931.11999.0.tayloe_d@juno.com>

>Looking specifically for a 4AH Gel Cell battery charger, with
>automatic switching from full charge to float charge.

>72 es 73
>Marty, KM7W

No need for a special charger for a Gel Cell. Just get an adjustable voltage regulator such as a LM317, and use a 25K pot and a 2K resistor to set the output voltage for 13.8v. Feed the regulator with something more than 16v and you are set.

12v lead acid batteries such as Gel Cells will float charge forever at 13.8v. Heck unlike Nicads, lead acid batteries *like* to stay fully charged like this. The service life for lead acid batteries left on "float" is something greater than 5 years.

Using a float charge to charge a Gel Cell takes a little longer. I would expect a battery such as your 4AH to draw about 2A for a few minutes, then quickly taper off to about half an amp. The charging current will then gradually tail off to almost nothing as it becomes more and more charged.

Somewhere, I have the text from the web of some Gel Cell battery manufacturer that recommends the float charge method for intermittent duty use (like QRP?). I think it takes about three days to fully charge a battery this way, but the battery is *mostly* charged after the first day.

The automatic charger you are referring to charges at a higher voltage initially, then switches to a lower float voltage when done. All this really does is get the battery to a final charge a lot more quickly. If you can tolerate about 70% charge in one day, and a full charge in three days, the float charge method is quite satisfactory.

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQRPions

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [14480] 12v Gell Cell Charger
Message-ID: <8D3D1BB.00040014E5.uuout@cheaha.com>

-> The automatic charger you are referring to charges at a higher
-> voltage initially, then switches to a lower float voltage when done.
-> All this really does is get the battery to a final charge a lot more
-> quickly. If you can tolerate about 70% charge in one day, and a full
-> charge in three days, the float charge method is quite satisfactory.

...and with a lighter charge rate the battery will have a longer life.
The faster the charge the more harm to the battery.

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997
From: mdwatt@usit.net (Marty Watt)

Subject: [14387] 38 Special output filter cap questions
Message-ID: <3325f242.172977947@smtp.usit.net>

In looking at the mods for the 5 watt mod, Paul, NA5N, suggests adding a 330pF silver mica cap in the space marked C501 (immediately preceeding the L-C series output filter). Other comments also indicated a range from 330-560pF would work, and that adding 270pf to the "middle" silver mica cap was an option too.

It seems there are several options:

	C501	C28	C29
1.	330pF	820pF	560pF
2.	560pF	820pF	560pF
3.	330pF	1090pF	560pF
4.	560pF	1090pF	560pF

Which of these combinations is the preferred combination, for purity, harmonic suppression, and power output?

Also, a single 1090pF silver mica cap doesn't appear to be made. Given a choice, if required, would a 1000pF or a 1200pF silver mica be preferred?

Thanks for the input. I'll post a summary of responses on the list for all to peruse in a few days ...

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: HIMES@idic11.idi.oclc.org  
Subject: [14478] 38S - 250 mw success?  
Message-ID: <01IGEXME00PEAINEEY@idic11.idi.oclc.org>

Who is having success using the 38S at 250 mw ?

Mine works pretty well (keyer thump needs tweaking) but, haven't had

much of a chance yet to try it out. By the time I get home from work, at 23Z, the band is usually shot. Need to get the G5RV up higher too.

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Steve Miller <kg7pv@teleport.com>  
Subject: [14447] 38S in the box (finally)  
Message-ID: <1.5.4.32.19970309025009.00687300@mail.teleport.com>

Hi all,  
Finally got my 38S in a case today. Got tired of waiting for the one I ordered so did a quick run to the supply house and got a nice steel box. Found that the board (or antenna connector) must be isolated from the case to maintain stability/cleanliness of the tx sig. If both the board and ant connector are directly connected to the case - yucky sig - won't tune up properly! Isolated the board as that was easier to do with plastic standoffs rather than mess with the ant connector. Don't recall reading this anywhere, did I miss something somewhere? BTW, first contact with rig in box was LU5VC! 73 and cu on 30.

Steve Miller KG7PV Portland, OR  
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Reder, Ronald" <Ronald.Reder@wang.com>  
Subject: [14460] 38s Loud Sidetone  
Message-ID: <E15ABBF0D318CD011867800805F31305B0211A2@res02wnt245.corp.wang.com>

A few, but not all, of the 38 Specials seem to exhibit a phenomenon I call "Loud Sidetone." While transmitting, a loud note is heard. The volume of this note can not be adjusted by changing the value of R17.

On my rig this was caused by the a 180 KHz oscillation in U5, the audio amp/filter while transmitting. The oscillation caused the bandpass filter to ring at the filter center frequency, generating the "sidetone."

My fix was to connect a .1 uF capacitor on the bottom of the board from U5-8 (+8 Volts) to U5-4 (Ground). Now I can hear the sidetone from my

TiCK keyer just fine.

My 38s is now ready for the air, although it is not in a case yet. As soon as I get my taxes done, I'll be with you on 30 M.

73, Ron KA1KCU

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "duane" <duane@flinet.com>  
Subject: [14415] 38Scase  
Message-ID: <199703120449.XAA13296@shell.flinet.com>

I put mine in an old midland CB . You can get them for nothing if you look around and the rear conector still there too. any ways it looks pretty neat .I'm going to try to use the LED bar graph as a recieve indicator, if I can figure out how to do it.

Duane AB4BE  
<http://www.flinet.com/~duane>  
duane@flinet.com  
ab4be@amsat.org

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [14489] 50/40/30 WAS challenge  
Message-ID: <199703121810.MAA23954@multi13.netcomi.com>

Let the fun begin! Here is the schedule for the first month of the 50/40/30 Worked All States Challenge.

How many can you work?

The exchange is CALLSIGN, RST, STATE/PROVINCE/COUNTRY, NAME, POWER. The state will call CQ WAS QRP de KL... All QSOs are limited to 5 watts or less, of course. Only fully completed QSOs with all the information will count for the awards, though partial exchanges may qualify you for other organizations' wallpaper. (QRPers like to do things the hard way!)

Suggested starting frequencies are 7.043 MHz, 7.112 MHz, and 10.115 MHz.

50/40/30 schedule:

UTC        Band

0000-0200 30  
0200-0400 40

| Date (LOCAL) | Date (UTC) | State | Call             | Name            |
|--------------|------------|-------|------------------|-----------------|
| 18 March     | 19 March   | IN    | WD4MSM/N9DD      | BARRY/TOM       |
| 20 March     | 21 March   | AZ    | KI7MN/NQ7K/N7VE  | BOB/MIKE/DAN    |
| 25 March     | 26 March   | RI    | K8ZFJ            | RANDY 40 M ONLY |
| 27 March     | 28 March   | DE    | K3QIO            | JIM             |
| 1 April      | 2 April    | CO    | (op:AA0XI)/W0CQC | MARSHALL        |
| 3 April      | 4 April    | NY    | N2VPK/WZ2T       | MARK/RICK       |

cu there!  
Mike K1MG

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bill Myers <bjmyers@arc.net>  
Subject: [14418] AADE Digital Frequency Display Report  
Message-ID: <1.5.4.16.19970311225231.1b9f80f0@mail.arc.net>

I ordered the AADE Digital Frequency Display kit from Milestone Technologies last week. Marshall Emm (AA0XI) announced it's availability on the reflector.

I ordered it via their web page on Tuesday night using a credit card. I received notification of the order and intent to ship on Thursday, with the option to cancel if I really had not ordered it. I received it in the mail today (Tuesday).

While listening to the fox tonight, as well as the CQ'ers on him, I reveiwd the "instructions". This isn't your Heathkit, 38S, or Rainbow tuner. There is a sheet of construction notes, and it states that that it "assumes a reasonable high level of kit building experience". This isn't so, in my opinion. While this kit shouldn't be someones first kit, the schematic and parts layout pictures, with the construction notes, makes this a reasonable easy kit to assemble. I listened for the fox, never did hear him but heard around 50 stations calling him, and put the kit together in less than an hour. Powered it up and and no smoke leaked out. Hooked it up to my HW-8 and it worked. I've got it "sorta calibrated". I'll get it to a friend with a signal generator in the next few days to get it "dead on".

I plan to use this one as a bench top freq counter for now. At \$50.00 each, I may get a couple more to install in specific rigs, like my NC38S and/or HW-8.

I'm happy, THANKS MARSHALL!

Normal disclaimer applies, I have no financial interest in anything, I ain't got no more money!!!

72/73

--

Bill Myers      KK4KF      Grid - EM60rk  
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42  
CQC#386 NE#508 AK/QRP#081  
Snail Mail      P. O. Box 178   Shalimar, FL 32579  
e-mail           <bjmyers@arc.net>  
homepage <http://destin.nfds.net/~bmyers/>  
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE  
<http://n9nvv.qrp.com/~fists>   (That's N 9 N V V)

From owner-qrp-1@Lehigh.EDU   Wed Mar 12 18:04:00 1997  
From: Steve/n0tu <N0TU@webaccess.net>  
Subject: [14438] Adding a TiCK to the 49er??  
Message-ID: <33220DDB.4DF3@webaccess.net>

Anyone tried to add a TiCK keyer to their 49er yet??? I would like to make it a little more useable rig by adding sidetone... would the TiCK do the job?? Not sure how to proceed on this one any suggestions.....anyone try this yet???   Steve

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"Just doing it" - Havin'a blast buildin'& usin' QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile...                      QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P>                      ARS# 206   CQC# 394

From owner-qrp-1@Lehigh.EDU   Wed Mar 12 18:04:00 1997  
From: jsm@deepcove.com (Steve McDonald)  
Subject: [14429] AE9K de VE7SL  
Message-ID: <199703120607.WAA11824@freya.van.hookup.net>

Brian...tried your personal e-mail address on the FOX LIST but guess it's changed...can you send me your snail mail address please. I would like to send you a QSL/SASE for our FOX QSO a few weeks back.

Steve / VE7SL



From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dan Wolfe <n4roa@mounet.com>  
Subject: [14412] AL7FS  
Message-ID: <01BC2E75.F9016200@pm128.mounet.com>

Hey Jim, you had a good enough signal here to have worked several stations. Since I was one of the lucky ones, I hereby relinquish my spot in the pot to you. Joe can leave my call off and put yours in..Hope to work you again next time.. 72 from Va

Dan-N4ROA      qrp-1 #970

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [14454] Another Long Delay Echo...  
Message-ID: <3.0.32.19970312142625.0068d738@mailhost.primenet.com>

Somehow, some messages sent on the weekend are coming back to haunt me! If you receive a message repeat from me and it seems strange(r), please disregard.

If you are an internet guru, maybe you can explain to me in simple terms (so that I can understand) the cause of this phenomenon?  
(See full headers included below!)

Someone experimenting with forwarding messages may have accidentally created a bug or loop in their personal internet server. The common "thread" seems to be skynet.be (Belgium, small world!)

Sorry for any inconvenience...

73, Brian

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Received: from ns1.qsl.net (root@waller.bwave.com [207.221.20.81])  
by primenet.com (8.8.5/8.8.5) with ESMTP id DAA04972  
for <ke7gh@primenet.com>; Wed, 12 Mar 1997 03:49:20 -0700 (MST)  
Received: from fidoii.CC.Lehigh.EDU (fidoii.CC.Lehigh.EDU [128.180.1.4]) by

ns1.qsl.net (8.7.6/8.7.3) with ESMTTP id FAA04796; Wed, 12 Mar 1997 05:49:52 -0500

Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.lehigh.edu with SMTP id <35526-21667>; Wed, 12 Mar 1997 05:48:52 -0500

Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.lehigh.edu with ESMTTP id <35513-21667>; Wed, 12 Mar 1997 05:47:53 -0500

Received: from skycorp.skynet.be ([193.210.156.113])  
by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with ESMTTP id FAA68636  
for <qrp-l@Lehigh.EDU>; Wed, 12 Mar 1997 05:47:19 -0500

Received: from skycorp.skynet.be ([127.0.0.1]) by skycorp.skynet.be  
(Netscape Mail Server v1.1) with SMTP id AAA14244  
for <qrp-l@Lehigh.EDU>; Wed, 12 Mar 1997 06:25:33 +0200

Received: from fidoii.CC.Lehigh.EDU ([128.180.1.4]) by skycorp.skynet.be  
(Netscape Mail Server v2.02) with ESMTTP id AAA5256  
for <on6aa@skynet.be>; Sun, 9 Mar 1997 05:53:19 +0100

Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.lehigh.edu with SMTP id <35334-35050>; Sat, 8 Mar 1997 23:55:47 -0500

Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.lehigh.edu with ESMTTP id <35334-35050>; Sat, 8 Mar 1997 23:55:31 -0500

Received: from usr03.primenet.com (root@usr03.primenet.com [206.165.5.103])  
by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with ESMTTP id XAA28200  
for <QRP-l@Lehigh.Edu>; Sat, 8 Mar 1997 23:55:28 -0500

Received: from primenet.com (root@mailhost02.primenet.com [206.165.5.53])  
by usr03.primenet.com (8.8.5/8.8.5) with ESMTTP id VAA21409;  
Sat, 8 Mar 1997 21:55:24 -0700 (MST)

Received: from ke7gh-6 (ip009.phx.primenet.com [198.68.46.9])  
by primenet.com (8.8.5/8.8.5) with SMTP id VAA07840;  
Sat, 8 Mar 1997 21:55:06 -0700 (MST)

Message-Id: <3.0.32.19970309045304.00696988@mailhost.primenet.com>

...snip...

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: Mike P <73571.3404@CompuServe.COM>

Subject: [14389] ARRL handbook qrp rig

Message-ID: <970312002844\_73571.3404\_FHD33-1@CompuServe.COM>

I have the 1996 ARRL handbook and noticed the Nor Cal Sierra as the feature QRP rig. What I was wondering is what is the rig in the 1997 and 1995 book? Actually what I really want to know is if the Nor Cal 40a ever made it in one of the handbooks? Thanks Mike 72

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: k5id@inetsp.net (Kenton E Graham)  
Subject: [14431] BRAGGING ABOUT 38 Special DX  
Message-ID: <199703082220.QAA24668@inetsp.inetsp.com>

Hi QRP-L'ers

I haven't seen a lot of bragging yet about dx on the 38 special so let me tell you about mine:

Bagged LZ1LZ, Ken in Sofia, Bulgaria today with a report of 579! This with my QRO 4 watt 38s. There was a pileup on the frequency, but somehow he managed to hear me. I used the Emtech audio filter (built in) to cut thru the qrm. I haven't figured the miles per watt, but it's pretty good...

Regards, Ken K5ID Barefoot in Arkansas

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [14470] CA Pizza Party  
Message-ID: <199703121624.QAA02484@chuck.dallas.sgi.com>

Gang,

Thanks to the dozen CA QRPers who showed up at the Pizza Place on El Camino Real in Mt View CA. Quite a group.

Since I was able to get that many people out of the running on the foxhunt I feel confident that TX won last night. Looks like we need to come up with three more special events to put an end to this madness. It's going to be tough though. :-)

Doug will most likely have photos of the debugging item that he brought to the meeting. Both Larry and Mike did a great job and the little rig looked very good.

Grover, K7TP, came down on the train since he was in SF for work. Good to meet a new face even though email and the internet makes us all feel like we already know each other.

I don't know if I can name everyone, but let me try and my apologies to all that I missed, missed correct spelling, calls, etc.....

Vic Black AC6S0 (and I may have the calls wrong in some places and I'll blame it on an old memory), Dave Meacham, W6EMD; Doug Hendricks, KI6DS; Ori AC6AN; Grover, K7TP; Stan Cooper; Mike Gipe, K1MG; Bruce; Robert; and others that I couldn't get right and won't butcher the list.

A discussion came up of rufz and I got email from someone else this morning on the list, so let me repeat the info in short form here.

If you listened to Ron, KU7Y, last night and had difficulty with his speed then this info is for you.

There is a program for the PC written in Germany. The short name is rufz. There is a copy in zipped format on ftp.lehigh.edu:/pub/listserv/qrp-l/tools/rufz.zip

This file has everything that you need. You do need unzip.exe or whatever to get the individual files. There is a data file of 13,000+ real contestor calls. This program has a configuration file or you type 'config' when you first start it up to set the initial speed. It then proceeds to humiliate you very severely, so don't feel badly.

But I guarantee you that after a few months of daily practice you will have no problem with SS or foxhunts. :-) You will be a contestor or ready for same. Just remember it is a very very difficult test and it will try your patience to the limit. Its function is to get you to mess up 50% or more of the calls and it will do that.

Now if all this is too much for you and you want to go elsewhere to get the program, then send email to

owner-contest@dumpty.nal.go.jp

(that is NAL in lower case) and in the BODY of the message with no subject line put

#get rufztop.list

At the end you will find more detailed instructions on how to

get the program from several sights.

Please, no discussions on the top scores on the list. We are not a contest group. I'm working on my score (I have the laptop with me everywhere I go) as hard as I can right now. It is tough, very tough. I'll give a demo at NORTEX in May. Let's not waste bandwidth on it, there are more important discussions at hand. Thanks. I got email from Mat, the author of the program, 'cuz I found a bug that doesn't effect the scores or anything. It also turns out there is another program that I am trying to get him to convert to English that I want to try. Film at 11.

OK, end of my free time this week. Again to the CA group, thanks. It was fun to see the group and Doug even wore a tie. :-)

dit dit

Chuck Adams K5FO            adams@sgi.com DXCC=11  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: mike wood <K6MW@server.worldinfonet.com>  
Subject: [14434] Cascade kit for sale  
Message-ID: <3321EA74.1DCE@server.worldinfonet.com>

I have for sale a unbuilt Cascade SSB kit from Norcal. Price is \$175 firm. Buyer to pay postage.

I have the opportunity to purchase a Index Lab rig so the Cascade must go.

This is a 20/75m SSB QRP rig kitted by the magic werks at Norcal. I also have a lot of the mods/errata that were posted to the group to be included with the excellent manual.

If multiple offers are received, I will put all the names in a hat and draw one. Cut off date will be Monday afternoon, 6:00 pm left coast time.

73, mike

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: K4AHK@ix.netcom.com

Subject: [14395] Coil wire sizes  
Message-ID: <33260DAE.5539@ix.netcom.com>

Can someone please e-mail me the circular mil area of #20 AWG and #22 AWG solid magnet wire? Trying to figure out how many turns I can stuff in a small space.

Thanks es 72,

Bill - K4AHK

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Ted Albert <72437.651@CompuServe.COM>  
Subject: [14404] Colorburst Sprint Reminder  
Message-ID: <970312034026\_72437.651\_IHD57-1@CompuServe.COM>

The sixth night of the Colorburst Sprint is this Thursday, 3/13/97, from 9-10PM EST. Participation last week was again very strong with many stations running crystal-control and/or tube transmitters. Stations able to do so are encouraged to tune around their transmit frequency for responses from stations running fixed crystal-control. Don't forget that the Colorburst Sprint presents a great opportunity to get contacts with that Pixie or 80-9er rig, and you may get the opportunity to work a QRP glowbug station, as members of the Glowbug list will be joining us for this event.

After the Sprint has closed at 10PM EST, I will switch to 3.686 Mhz and look for QRP contacts. I modified this year's transmitter to offer 3 crystal frequencies, 3.560, 3.579 and 3.686 Mhz.

Attached with this note are the rules for the Colorburst Sprint.

Hope you can join us!

72 de Ted, KF8EE  
NE404

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Announcing the :

QRP-NE (QRP Club of New England)

79er SPRINT  
-----

When: Each Thursday evening during February and March, 1997

Modes: CW - Crystal and VFO Control

Freq: ~ 3.579 MHz

Power Level - 5 Watts or less output power

Time: 9:00 - 10:00 p.m. EST

Exchange - RST QTH NE#X NAME; ie.....579 OH NE404X Ted

Members use QRP-NE number; NE404 and add X if XTAL control; NE404X

Non-members use Power Level; 4W and add X if XTAL control; 4WX

QSOs are cumulative: Work the same station on subsequent Thursdays.

Score: QSOs X SPC. Crystal Station Bonus: Total score X 1.5.

The 79er transmitter was NE-QRP's first club project. It uses a 3579.545 kHz crystal to set the frequency. These crystals are used in the colorburst oscillator of all color TV sets in the United States and Canada, and in other devices as well.

The 79er event is an on-the-air get together, not a contest. Crystal-controlled stations append the letter "X" to their calls, such as "KF8EE/X." Yes, it's legal. We hope this event will stimulate everyone to build a crystal-controlled transmitter to use during the event!

Send Logs to: Ted Albert, KF8EE  
1924 Timberidge Drive  
Loveland, OH 45140

(or)

e-mail Logs to: 72437.651@compuserve.com

Logs need to be received by April 30, 1997. Results will be published in "72". State Output Power Level, Type of Rig, and Antenna Type on logs. Include comments on the event or how you built your crystal-controlled transmitter for inclusion in the report in "72".

Watch out: W1AW transmits bulletins at 10:00 pm. on 3.581 MHz

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Transmitter Reference articles:

In case you were wondering, "79er" comes from 3.579 MHz

Articles abound on building a simple crystal-controlled transmitter for 80 meters. Try the "Universal QRP Transmitter", page 26 of "Solid State Design " (ARRL), or "The Oner" (Sprat), or "The Cubic Incher" (ARRL), or "The 79er"/"Colorburst Special" (QRP-NE).

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From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [14469] DeBugging Presentation  
Message-ID: <1.5.4.16.19970312091240.0dbf1cb4@telis.org>

Last night, Chuck Adams K5F0, hosted the Debugging Contest Presentation Awards Night at the pizza place near the old Two Guys From Italy restaurant. Mike Gipe, K1MG was the winner of the Debugging Contest for getting the RadioKit QRP40 rig to work. Mike was the second contestant, after Larry Wise, and he credits Larry with laying a lot of the ground work to his success.

Chuck and I have donated two prizes, which are TenTec 1340 kits, to both Mike and Larry. Larry's presentation will take place later in Texas, when he and Chuck can get together. (Larry didn't make it to the awards dinner last night, darn.) The contest was a lot of fun, there was a lot of learning that took place, both by the debuggers and the rest of us lurking in the shadows. Thanks for the entertainment. Oh, by the way, the rig is going to the Jim Cates Collection in Sacramento. Jim was with me 4 years ago when I bought the kit, and he deserves to have it.

We had a lot of fun over Chuck's pizza (it always tastes better when the other guy buys), and the following were there; Chuck Adams, Paul, Bruce Florip, Vic Black, Dave Meacham, Stan Cooper, Ori Mizrahi-Shalom, Grover Cleveland (really, and no Mildred, it wasn't the former President, this was the famous QRPer), Mike Gipe, and myself.

We had a great time, talked about QRP, future projects, the SST, 38 Special, the next issue of QRPP, Dayton, QRP-L, the Debugging contest, QRP to the Field, RUZT, Bad Crystals in 38 Specials (groan), Field Day, the Fox Hunts, and we even mentioned our wives once or twice. 72, Doug, Ki6DS

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: ERSchley@aol.com



Subject: [14476] DECEMBER QRPP: Where ARE you?  
Message-ID: <970312120009\_720370709@emout16.mail.aol.com>

Great, some guy in Helsinki, FINLAND says he just got his December QRPP, and I'm in Florida STILL waiting for mine. New one due out this month, and I still don't have the LAST one. Terrific!

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Jim W7LS <w7ls@brigadoon.com>  
Subject: [14448] Dentron 40m SSB/CW rig  
Message-ID: <199703090342.TAA05417@olympic.brigadoon.com>

Hello to all that responded to my rig for sale. I have finally looked deep enough into it to discover that it is a ssb and cw rig. Fired it up and got a few watts out of it. Receiver isn't the hottest, but then maybe it has been detuned. It would be a good idea to tune it, I s'pose.

Description to date:

transceiver  
40 meters  
digital readout to 100 Hz  
does receive  
does transmit  
has RIT  
has switch to turn off meter lamp and LED display for battery life  
chips inside have 1982 manufacture date  
apparently made by Mizuho in Japan to be marketed by Dentron  
size: about 1.5" high by 5" wide by 6" deep(without measuring)  
construction: very solid half cases. Better than HW-8. Thicker metal.  
problems: tuning capacitor is hosed. Need new one. Not critical. I  
clip-leaded a handy capacitor into the circuit and it works  
fine. Since display is digital, don't need to worry about  
tracking.  
serial number is "experimental"  
overall impression: dang cute

That's the scoop, guys! This unit will live and breathe soon. I will try to get a schematic and book from Mizuho. Now comes the hard part....Do I hang onto it and fix the capacitor or do I acknowledge reality and part with it as-is, because we both know I don't have the time now to get into it?

Make me an offer I can't refuse (but NOT the one from the movie, please). Tnx/73 de Jim, W7LS Here or at 206-788-0779 days, eves, weekends.

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Earl Andrews <earlve3ab@host.igs.net>  
Subject: [14393] Drake Tr33 Rebuild  
Message-ID: <199703120126.UAA18369@host.ott.igs.net>

Haven't posted in a long while. Been on the bench alot. My main project is I took an old Drake 2 m fm rig ..the tr33c and I fixed it and got it working then removed the circuit cards and controls from the chasis and have mounted them in a subchasis inside an old Swan HF transciever that has a solid state VFO. The darn thing is working. I have a VFO controlled FM transciever. I havent finished the wiring but it works on rcv anyway. My ultimate goal is to put in a narrow ssb filter and take the 9 mhz IF and product detect it so I can operate ssb/cw. The transmitter will be more difficult. Will require a bal modulator and the class of operation of the amps will have to be linear cl A. I will probably use a second 9 mhz xtal to filter out the other sb or I will just leave it as DSB at first. I have all the parts in stock. ..I have another 2 M FM Rig an old IC22 that I need a set of Xtals for the local club repeater.. 147.300/147.900. I can trade a pair of packet xtals that came with the rig namely 145.010 simplex..ANY ONE INTERESTED IN SWAPPING..I dont operate packet. 73/72 earl..my email address is earlve3ab@igs.net

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [14430] Duplicate Messages...  
Message-ID: <199703120623.AAA02721@admin.inetport.com>

Hi Gang.....

Is anyone else getting duplicate messages?.. Like from a few days ago??? Or is it just my system having spasms????

And oh yeah.....

:--) Got the fox :--)  
Larry

KA5T Larry Wise Georgetown, Texas lewise@inetport.com QRP-L 89 ex K80SG  
W6HED W4ZTB

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: Mark Saunders <tracker@dancris.com>  
Subject: [14435] DX - Me and my Sierra  
Message-ID: <33265E76.2E96@dancris.com>

Well Gang,

I'm new to this list server as well as QRP. I thought QRP would be a way to work CW. I ordered a Wilderness Sierra kit complete with all the band modules. Now, I've never built a kit before and I was a little concerned when it arrived and I inventoried ALL the parts. Oh my! Then I read that I had to wind my own coils, too. One would think for that price, the coils would come already wound. Oh yea, then this would not be called AMATEUR radio.

Okay, so I have to wind a coil or two. Wrong! There are five coils on the main board and the monster VFO coil with 58 turns of #28. Then each band module has 8 coils. Argh!

I'm really out on a limb on this one. Well, there are others in the area who have done this stuff before, so I can use them for help, right. Actually, I had to prove to myself that I can do more than operate an appliance (commercial rig). What a better way to learn new and exciting things.

My Sierra kit went together in 4 evenings, and with exception of the coils, everything went like clock work. I even installed the KC/2. Tune up took about 30 minutes, but I think I still need some work there. Saturday February 23 I went on the air for the first test. 40m during the day netted me a 579 contact in San Diego, 589 contact in Houston, and 559 contact in Long Beach. Okay, now I'm impressed. With the rig and my new found abilities. Well it gets better. On 2/28/97 VE7DMQ sent me a 579 RST from British Columbia. It gets better. Today, 03/12/97 I got a 439 RST from FK8GJ in New Caledonia. I almost passed out from excitement!

I may never go QRO again. Did I say that?

Okay now what? WAS/QRP! Join the local QRP club, AZ ScQRPions!

I must say, the Sierra is a fine rig and a pleasure to operate. The KC/2 is a must and only 7ma..

I do need some help though. When I tune to the bottom portion of the bands, I can not get to the bottom. It only goes within a few Kz from the bottom 2 to 5. Do I need to align the rig/VFO again? I'm sure I can correct this, with some direction.

Until next post, I'm having QRPn fun..

Best regards,

Mark Saunders -- KJ7BS  
Glendale, Arizona

<http://www.dancris.com/~tracker/tracker.html>  
tracker@dancris.com  
KJ7BS@KC7Y.AZ.USA.NOAM

FISTS # 2972

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Peter\_Simpson@3mail.3com.com  
Subject: [14471] Ethernet Coax FAQ  
Message-ID: <85256458.005ADDDA.00@hqoutbound.ops.3com.com>

Gang --

Maybe someone should put this in a FAQ somewhere

Once and for all: Ethernet coax is OK. It's 50 ohms.  
The yellow stuff is basically a bit better than RG-8.  
It has double shielding and a #12 ga. solid copper  
center conductor. Bend radius is about 2 ft.  
The thinnest is an average RG-58. Crimp-on N and BNC  
connectors are available. Crimp tools are cheap (\$50).

Loss per 100 ft in table below:  
(4 digit numbers are Belden part numbers)

Belden 9880 Yellow Ethernet Cable  
Belden 9907 Thin Ethernet Cable  
loss vs. frequency compared to  
Belden RG-8/U, Belden 9913 and Belden RG-58

| Freq<br>MHz | E'net<br>9880 | RG-8<br>8214 | 9913<br>9913 | Thinnest<br>9907 | RG-58<br>8240 |
|-------------|---------------|--------------|--------------|------------------|---------------|
| 1           | 0.19          | 0.14         | 0.1          | 0.43             | 0.3           |
| 10          | 0.52          | 0.51         | 0.4          | 1.3              | 1.1           |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 50   | 1.20 | 1.2  | 0.9  | 2.9  | 2.5  |
| 100  | 1.70 | 1.8  | 1.3  | 4.2  | 3.8  |
| 200  | 2.55 | 2.7  | 1.8  | 6.1  | 5.6  |
| 400  | 3.90 | 4.2  | 2.7  | 8.9  | 8.4  |
| 700  | 5.50 | 5.8  | 3.6  | 12.1 | 11.7 |
| 900  | 6.50 | 6.7  | 4.2  | 13.9 | 13.7 |
| 1000 | 6.90 | 7.1  | 4.5  | 14.8 | 14.5 |
| 4000 |      | 18.0 | 11.0 |      |      |

Information from Belden "Master Catalog"  
(c) 1995

Belden Wire and Cable Company  
POB 1980  
Richmond, IN 47375

(800) BELDEN1  
(800) 235-3361

You may also find some orange teflon covered stuff. It has the same characteristics, but a smaller OD. Belden also makes several different RG-8 and RG-58 variants. Their characteristics vary. I've chosen the "best" but a Belden catalog is a good thing to have, if you're splitting dBs, or want to know the characteristics of a certain Belden product.

I don't work for Belden, or have any financial interest other than some of their cable in my basement.

Peter, KA1AXY

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [14409] FCC FM channel number system  
Message-ID: <9703082152.AA23984@tlcnet.muohio.edu>

Hi Gang,

Anyone here have a clue on how the FCC set up the commercial fm broadcast channels number system?

I want to listen to reflected signals from over the horizon fm stations to tell when a meteor ionized a path that will reflect

the stations signal. I have no idea how I will get a qsl card from a meteor, but I won't say never.

I want to input the station freq into my scanner to correspond with the fm channel number. I have a 300 memory scanner and I think it will be enough to do the whole fm band.

Sorry, for the use of the BW, but who else would have the technical knowledge?

Maybe answer directly would save a little BW.

Thank-you

Vic Ad8k 72/73

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: scott.thomas@circellar.com  
Subject: [14406] For Sale: OHR 400  
Message-ID: <9703112304.0WEUN02@circellar.com>

For Sale 4 Band (20m,30m,40m, and 80m) CW QRP (0-5w) kit.

Unbuilt.

Full featured; RF preamp, selectable AGC, RF gain, 4 pole crystal ladder filter, 4 pole audio filter, 150khz coverage, rit, external output control. Sturdy construction.

\$285.00

Scott,  
N1ST

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bill Myers <bjmyers@arc.net>  
Subject: [14419] FOX Double Skunked  
Message-ID: <1.5.4.16.19970311225234.1b9f892a@mail.arc.net>

I can't believe it.

Last night I just barely heard Brad and tried to bag him again. He even called KK? a couple of times but just couldn't pull me out.

Then tonight I finally hear Ron calling CQ FOX. Just as he quit he faded. A couple of minutes later I heard him calling again and just as he finished he faded again. This went on for quite a while. I called a couple of times but he faded and I never heard if he came back or not.

Guess I'll need to buy a house and set up a super antenna farm for next fox season.

Thanks for being there to ALL THE FOXES

72/73's

--

Bill Myers      KK4KF      Grid - EM60rk  
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42  
CQC#386 NE#508 AK/QRP#081  
Snail Mail      P. O. Box 178   Shalimar, FL 32579  
e-mail           <bjmyers@arc.net>  
homepage <http://destin.nfds.net/~bmyers/>  
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE  
<http://n9nvv.qrp.com/~fists>   (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU   Wed Mar 12 18:04:00 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [14479] FOX Log and etc  
Message-ID: <Pine.SUN.3.90.970312083122.29064A-100000@vortex.sage.dri.edu>

OK Folks.....

Chucks plan worked just great! Not only did he not let Calif win tonight, he kicked them into 3rd place for this fox!

TX = 15  
AZ = 9  
CA = 7

What a little free pizza will do for a guy!!!

Great time had by me. Good pile up.

While I didn't get the 100 QSOs, I did get 72! Must be some hidden

meaning to that!

Advice to the newer Fox Hunters.....when the Fox, (or DX or whatever), send a partial call that sounds like it could be yours and you don't hear someone else jump in right away, (like in a half a second or so), just assume that it's your call and send your call once or twice, then send your exchange.

Many folks lost out last night because they didn't respond to the partial call. Hopefully, you all made it later.

Very good maners shown in the pile up. Sure wish the big DX pile ups were half that good!

Many sigs were just making the noise level change.....then others would call that were a good S9! But my hearing should recover in a few days!

The following operators from Texas all won a Hamburger from the Windys in Carson City, NV: K5NZ, NR3E, K5ZTY, WA8GHZ, WA9YLB, W5XE, K5JHP, K10J, KA5T, W5HNS, W5SB, W5TFB W5FN, KC5EIV and KJ5VW. Congratulations to all and you have one year to come on down to collect the prize. The Hamburger must be picked up, no shipping! You can send an agent..... Hey Chuck, are you ready for 15 Whoppers, or whatever they call them??

Oh, remember the post where Chuck said TX stations are worth extra bonus points???? That must be 3 QSO points per TX station.....lets see, that's  $15 \times 3 = 45$ .....that adds 30 to the 72 and makes the total 102, right Chuck???? :-)

Here is the log as I got it. Please check for errors, let me know and then I'll forward it to Chuck for final posting.

+++++

|      |    |       |     |         |    |     |        |
|------|----|-------|-----|---------|----|-----|--------|
| 2:01 | 1  | N6MM  | 559 | 589     | CA | 318 | HARVEY |
| 2:01 | 2  | VE7SL |     | 549 579 | BC | 769 | STEVE  |
| 2:02 | 3  | W6ZH  | 569 | 579     | CA | 257 | PETE   |
| 2:03 | 4  | N7VE  | 549 | 559     | AZ | 696 | DAN    |
| 2:04 | 5  | NQ7X  | 579 | 579     | AZ | 343 | FLOYD  |
| 2:05 | 6  | N6VZ  | 569 | 579     | CA | 919 | GARY   |
| 2:06 | 7  | AB7TT |     | 579 579 | AZ | 191 | JOE    |
| 2:07 | 8  | N7KT  | 569 | 579     | AZ | 62  | ROGER  |
| 2:08 | 9  | AB7MY |     | 579 579 | AZ | 571 | GARY   |
| 2:11 | 10 | W0GD  | 579 | 579     | CO | 482 | DENNIS |
| 2:12 | 11 | K5NZ  | 559 | 579     | TX |     | MIKE   |
| 2:13 | 12 | NR3E  | 559 | 579     | TX | 25  | DAVID  |
| 2:14 | 13 | W6SU  | 569 | 559     | CA | 48  | JOHN   |
| 2:15 | 14 | KK5RO |     | 579 559 | OK | 32  | VERNON |



|      |    |          |     |     |     |         |          |
|------|----|----------|-----|-----|-----|---------|----------|
| 2:17 | 15 | K5ZTY    | 569 | 559 | TX  | 473     | BILL     |
| 2:18 | 16 | NQ7K 569 | 579 | AZ  | 47  | MIKE    |          |
| 2:19 | 17 | WA8GHZ   | 559 | 449 | TX  | 619     | JACK     |
| 2:20 | 18 | W6BAB    | 589 | 599 | CA  | 5W      | HARVEY   |
| 2:21 | 19 | WA9YLB   | 569 | 579 | TX  | 5W      | JIM      |
| 2:21 | 20 | AA0XI    | 569 | 559 | CO  | 153     | MARSHALL |
| 2:23 | 21 | W5XE 569 | 589 | TX  | 256 | RAY     |          |
| 2:25 | 22 | AB7TK    | 589 | 589 | ID  | 102     | RANDY    |
| 2:26 | 23 | WA6TLA   | 579 | 579 | CA  | 920     | ELLIOTT  |
| 2:28 | 24 | W7GVN    | 579 | 579 | AZ  | 849     | ROD      |
| 2:29 | 25 | N7GS 579 | 599 | MT  | 815 | MAL     |          |
| 2:30 | 26 | VE7CQK   | 569 | 559 | BC  | 20      | PAUL     |
| 2:32 | 27 | K6JI 579 | 569 | CA  | 30  | DEN     |          |
| 2:33 | 28 | VE5RC    | 559 | 339 | SK  | 886     | BRUCE    |
| 2:35 | 29 | AB5UA    | 569 | 559 | OK  | 478     | CLIF     |
| 2:36 | 30 | W9UQB    | 549 | 569 | AZ  | 413     | MIKE     |
| 2:38 | 31 | KI7MN    | 569 | 579 | AZ  | 271     | BOB      |
| 2:39 | 32 | K5JHP    | 559 | 339 | TX  | 825     | BILL     |
| 2:40 | 33 | K10J 569 | 449 | TX  | 732 | OJ      |          |
| 2:41 | 34 | N5LU 569 | 559 | OK  | 5W  | BILL    |          |
| 2:42 | 35 | N9DD 549 | 559 | IN  | 32  | TOM     |          |
| 2:43 | 36 | KA5T 569 | 559 | TX  | 89  | LARRY   |          |
| 2:44 | 37 | W5HNS    | 559 | 559 | TX  | 178     | HENRY    |
| 2:46 | 38 | WD4MSM   | 559 | 559 | ID  | 642     | BARRY    |
| 2:47 | 39 | VE3JC    | 569 | 569 | ON  | 744     | JOHN     |
| 2:50 | 40 | AA1MY    | 559 | 579 | CT  | 574     | SEAB     |
| 2:51 | 41 | K8CV 579 | 559 | MI  | 935 | WALT    |          |
| 2:53 | 42 | K0EVZ    | 549 | 559 | MN  | 861     | DOC      |
| 2:57 | 43 | N4ROA    | 559 | 549 | VA  | 970     | DAN      |
| 2:58 | 44 | N4SO 559 | 339 | AL  | 622 | KEN     |          |
| 3:00 | 45 | KA1AXY   | 539 | 339 | MN  | 260     | PETER    |
| 3:02 | 46 | WA9PWP   | 559 | 459 | WI  | 127     | PAUL     |
| 3:04 | 47 | W5SB 559 | 559 | TX  | 5W  | BILL    |          |
| 3:06 | 48 | K3VP 539 | 559 |     |     | VICTOR  |          |
| 3:08 | 49 | K3QIO    | 539 | 539 | DE  | 13      | JIM      |
| 3:10 | 50 | WS3S 539 | 439 | TN  | 993 | CONRAD  |          |
| 3:11 | 51 | W03B 549 | 329 | MD  | 195 | BOB     |          |
| 3:12 | 52 | N2VPK    | 549 | 559 | NY  | 314     | MARK     |
| 3:14 | 53 | KC1FB    | 549 | 559 | CT  | 29      | JIM      |
| 3:15 | 54 | K5UP 569 | 559 | OK  | 21  | GLEN    |          |
| 3:16 | 55 | NI0A 539 | 339 | MN  | 689 | JOHN    |          |
| 3:18 | 56 | K5ID 559 | 559 | AR  | 652 | KEN     |          |
| 3:19 | 57 | KT3A 539 | 539 | PA  | 7   | CAMERON |          |
| 3:21 | 58 | KE4YH    | 549 | 339 | FL  | 590     | STEW     |
| 3:25 | 59 | W8DN 569 | 449 | OH  | 575 | MIKE    |          |
| 3:29 | 60 | N7CTJ    | 569 | 559 | NV  | 843     | DICK     |
| 3:32 | 61 | WJ4P 539 | 439 | SC  | 296 | RANDY   |          |
| 3:34 | 62 | K4GT 529 | 449 |     | 19  | JIM     |          |

|      |    |          |     |     |     |     |         |
|------|----|----------|-----|-----|-----|-----|---------|
| 3:36 | 63 | W8MVN    | 589 | 599 | OH  | 5W  | EARNIE  |
| 3:37 | 64 | W5TFB    | 559 | 559 | TX  | 282 | JACK    |
| 3:39 | 65 | W5FN 569 | 569 | TX  | 586 |     | TIM     |
| 3:41 | 66 | K5ON 599 | 599 | NM  | 770 |     | GARY    |
| 3:45 | 67 | KC5EIV   | 539 | 559 | TX  | 3W  | WILLIAM |
| 3:46 | 68 | NN9K 549 | 449 | IL  | 5   |     | PETE    |
| 3:49 | 69 | AC4HF    | 559 | 449 | TN  | 98  | JEFF    |
| 3:51 | 70 | KJ5VW    | 549 | 559 | TX  | 227 | GARY    |
| 3:58 | 71 | KD0SU    | 539 | 449 | CO  | 539 | RICK    |
| 4:00 | 72 | KK4KF    | 559 | 449 | FL  | 755 | BILL    |

+++++

It is interesting to notice the rate. Was running at close to 1 QSO per minute until about 0247z when it dropped down to about 1 QSO every two minutes!

This is a long exchange to send. Next time there should be more speed because more operators will have their skills up for this type of operation. I think I could have been running at 30wpm and done better last night! This group has really improved over the last couple of years!!

Living proof that having fun with CW is by far the best way to get that speed up!

Thanks again to all that worked so hard, I really had the easy job.

One fellow who was doing his best to QRM the freq, but he was only about S5 here. I moved about half a KC and seemed to work. He would follow but overall I don't think he did any real damage.

Then there is the XE1 that needs a receiver, but that's another story!!!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
 ....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
 ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [14402] FOX Nite  
Message-ID: <199703120335.UAA20040@dancris.com>

Well, did you make 100? You were banging in here a good solid 599, couldn't believe it! Had both the RF and AF way down, and the filter down tight, and you still rattled the earphones.

Just checked again (0330Z), and you were gone, but that was a good sig earlier. Had to xmit on the vertical to reach you, and recv on the inverted vee to get rid of the local qrm.

Good job!.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [14481] Fox vs free pizza es TX propagation curtain  
Message-ID: <199703121719.LAA21285@multi13.netcomi.com>

Ron --

Owww! Thanks for trying out the inverted vee last night. This was the first time I actually heard you. Even so, at only 200 miles away and on the other side of a BIG granite rock, you were just barely readable here. Used every trick in the receiver, which, I fear, may be permanently damaged. Every time you signed, the receiver was struck with a HUGE wave of incoherent electromagnetic radiation which seemed to come from a large, multi-sourced aluminum curtain in Texas. The QRN you experienced was probably the pile-up after it echoed around the globe a few hundred times.

Chuck must have had every known ham in Texas (dead or alive) on 40 meters last night.

I blasted my ears for an hour, then succumbed to the lure of a free radio and free pizza. The badgers made me do it.

You were workin' 'em like crazy. I thought for sure you would break 100.

I think you did come close to breaking the record, though.  
Congratulations.

Mike K1MG

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: tahrens1@juno.com  
Subject: [14410] FOXES & Newbies to QRP  
Message-ID: <19970311.223515.4887.2.tahrens1@juno.com>

Ron, you had a great signal here to the  
mainland (texas)hehe. I wasn't around for  
the beginning, but only the last half hour  
or so... lots of signals calling you, heard  
you had a lot of QRN.

After you & jack got done, KJ7BS in Glendale  
was calling CQ, so I answered him on the GQ-40.  
He was running a 2 week old Sierra, so I quickly  
grabbed the right cables, and let my Sierra chat  
with his. It was like old home week.... anyway,  
One of his comments was "I never knew QRP cud be so  
much fun!!!"

That kinda sums it up!

Thanks to all the foxes and the rest of you great  
folks!

Tim W5FN

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bruce Rattray <rattray@siast.sk.ca>  
Subject: [14456] foxing  
Message-ID: <1505250812031997/A07395/RIEL/11B362190400\*@MHS>

Well I was ready for Brad, KB0ROL, and there he was on the air at 0200Z...very,  
very weak but I was sure his signal would build and I would finally snag  
another fox...right?...wrong!...his very weak signal, which I copied through  
the pileup, faded away at 0215Z never to be heard in VE5 land...HAR!...not to  
worry as another fox would be on the air last night, namely Ron, KU7Y...comes

0200Z and there he was, along with the frenzy-feeding group, very weak...oh no, he faded right out at 0217Z!...shades of KB0ROL!...well might as well listen to who was working him...good grief, there's Ron's signal again at 0230Z...still very weak...what was I going to do?...just listen to him fade away again?...grrrrrrrrrrrr!

...ok, no more mister polite guy...I turned to my VE5 Secret Work'im Weapon...I turned it on...the house lights dimmed and hummed and gradually came up to normal levels...tuned ever so carefully and.....NOW I WAS HEARING HIM!.....a couple of calls and he came back to me....Yahoooooo!...another fox bagged thanks to my VE5 Secret Work'im Weapon!!!.....hee hee hee, how sweet it is!...

.....72!!! - Bruce (VE5RC) QRP-L#886

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Vernon A. Hatley" <vhatley@flash.net>  
Subject: [14512] FS: TS-140S  
Message-ID: <199703122223.QAA25807@endeavor>

Due to circumstances beyond his control, the guy that was buying this rig had to back out of the deal. So, once again. Mint Kenwood TS-140S, mic, manual, power cord, box. This rig makes a very nice QRP or QRO station. Will go down to milliwatt levels from the front panel or up to 100 watts. \$500 (no trade offers this time please)

--

KK5RO  
Vernon A. Hatley  
Shawnee, OK

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Jerome\_Peters@el.nec.com  
Subject: [14436] Function generator Questions  
Message-ID: <9702128581.AA858155714@intermail.el.nec.com>

Hello All,

I have been reading the list now for a little over four weeks and am very impressed with the quality and quantity of technical information.

I apologize if this is not an appropriate topic for this forum. Hopefully this discussion can be beneficial/enjoyable to others, if not feel free to E-mail me directly - or ignore me

entirely... ;-)

I am trying to make an IBM PC controlled function generator that uses the MAXIM038 IC[sine, triangle, and square wave]. The target frequency is 10 Hz to 10 MHz (maybe up to 20 MHz depending on how hard it is). The inputs to the MAXIM chip are quite simple. The power supply requirement is +/- 5 Volt. The fundamental output frequency is determined by the input current(about 10uA to 700uA) divided by an external capacitor value(20pF to 100uF). One side of the capacitor is tied to ground. Fine frequency, and duty cycle adjustments are also available. I am planning to use a digital-to-analog chip to control the input current.

My questions:

- 1) What type of relay(s) should I use to switch in different values of capacitors - Or does it make much of a difference? Where can I get this relay?
- 2) Does anybody have a suggestion/experience in using a program to design single/double sided PCB for home projects?
- 3) Does the copier/LaserJet toner to plastic to PCB work very well.
- 4) What is the practical limit of a digital-to-analog chip on a homemade circuit board 12bit, 16bit?
- 5) Does anybody make a frequency counter chip that is easy to interface to a computer?

For anybody that is interested, the MAXIM website is:  
<http://www.maxim-ic.com/>

I do appreciate any advice that is available.

Thank You / Best Regards,

Jerome Peters KC6ENE,  
Santa Clara California

E-Mail [Jerome\\_Peters@el.nec.com](mailto:Jerome_Peters@el.nec.com)

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Jim (AL7FS) and Nancy (KL7NY) Larsen" <larsennnc@alaska.net>  
Subject: [14394] FYBO Tale of Woe - AL7FS  
Message-ID: <3326063C.7AF7@alaska.net>

FYBO Tale of Woe(tm)  
AL7FS

My tale of woe is being generated because of the woe that the contest rules have placed upon me. I was crushed by Joe Gervais <vole@primenet.com>, AB7TT, when he posted that in order to be entered into the FYBO drawing I had to have worked 5 stations during FYBO. What kind of discrimination is this? Is it a U.N./alien conspiracy derived to harm the hapless, propagationless, Alaska and other DX stations that tried and tried and tried to make contacts? I would have thought that for DX stations there would be a slightly lower limit on this drawing rule. The five station rule obviously was meant for stations in the Lower 48 (L48). For the masses, to make five contacts in the L48 is totally easy. If you can't make five QSOs when you live in the L48 you are not really trying.

Now, in my case, I really did try. All of the L48 stations were creating QRM up the y\_\_\_ y\_\_\_ and there I sat trying to break through the mess. The really quality stations, the ones that listen in between CQ Test are the ones I was able to get to. :-)) Thank you goes out to:

WA5WHN (NM)  
N4ROA (VA)  
N4SO (AL)  
WU7F (WA)

Getting back to my whining.....N4BP refused to work me...sniff! I called and called and called and called and called and called and etc. Time was centered around 2226Z with too many others calling the monster station of BP. In fact, I am not so sure that they weren't on there as a form of monster AL7FS Filter. It must be true as indicated by my only being able to work four stations.

The propagation up here was so bad for the most part that I have to think my storm was worse than that other sad station on the east coast that complained about the wind and such. I had to contend with auroral storms, AL7FS Filters, poor A-K indexes, and black helicopters plucking my signals out of the air and refusing to let them reach the huddled (it was cold, right?) masses.

So there I was, running QRO QRP of almost 5 watts, trying like crazy and then this Joe Gervais fellow adds insult to injury by declaring that DX

stations, over 1450 miles from the closest L48 state have to have five QSOs just like the masses. Not fair!! I need special dispensation for my four contacts. I need to be in the drawing so that the US Lower 48 QRP operators won't get a bad name for the way they treat DX.

So there you have my tale of woe. Joe said I had to write it up if I wanted any chance in FYBO. So as my final whine, I was even coerced into writing this saga.

DX stations unite!!

With tongue-in-cheek ,

73/72,

Jim Laren  
AL7FS  
Alaska/DX/Worker of 4 FYBO QSOs

P.S. Joe, don't forget those bonus points! :-)

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [14474] Gel Cell position  
Message-ID: <199703121643.LAA30898@mh004.infi.net>

Gang-

Is there any reason why a Gel Cell can't be placed on it's side or upside down?

Inquiring minds need to know.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bill Jones <kd7s@psnw.com>  
Subject: [14482] Gel Cell Position Information  
Message-ID: <3326E5E1.68BD@psnw.com>

According to the "care and feeding" instructions I received when I



purchased a new 7 Ah gel cell, it can be operated in any position but they recommend it be charged in the upright position. The instructions didn't say why. Now you know as much about the subjece as I do.

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
Subject: [14446] HAARP in KY  
Message-ID: <199703090333.WAA02281@aus-c.mp.campus.mci.net>

Received the HAARP test transmission here in southern KY about s-2.  
When they went 80 deg., the level fell to the noise, but was still barely discernable.  
Did not hear them at all on 75m.  
rich

-----  
Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>  
[www.qsl.net/ka8okh](http://www.qsl.net/ka8okh)  
qrp-l #933 ars #223  
-----

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [14443] HAARP Test  
Message-ID: <199703090208.CAA25622@chuck.dallas.sgi.com>

Gang,

Seems to be some confusion on the simultaneous things going on during the test.

1. When the VVVs came on so did some body with a string of Vs trying to copy them. This guy was a jerk and probably has some people after him. Also I wasn't the only one to note the early arrival. I was looking at the Zeit clock and was surprised they started early. Guess they don't get WWV. :-)
2. The SSB signal that was zero beat, i.e. center of the voice that was readable was at 0Hz relative to the carrier. I heard a male voice say that he was starting to see flutter. This sounded like one of the reachers transmitting to the

other listening stations the HAARP project had.

3. There was another CW signal down about 500 or so cycles that was call FUBJ DE HARP K. This was probably another 'test probe' while the carrier was in progress and afterwards.
4. I ran up to 30M and didn't hear a peep. So it didn't do anything for any propagation that I could tell here. What the derive from this will be interesting if they put it on the web page.

There were at least two other attempted jammers during the CW transmission. I got the entire message both at 90 degrees and 80 degrees, the latter being the weaker by a slight amount.

I had to scramble to tune a rig down the extra 10 KHz. :-)  
Problem with not having a GP HF RCVR I guess.

Some one chewed me out for the zero tolerance rule. So be it. If he wants to take over the group, just post it and let it ride. Step right on up. All I wanted to do is to remind the group that we aren't going to become like the 80M crowd that was referenced and the 20M crowd. All I want is for scientific experiments and QRP exercises to be carried out (and this things aren't cheap) without the rest of the world trying to spoil it like a lot of other things that are going on. We're outnumbered.

dit dit

Chuck Adams K5F0            adams@sgi.com DXCC=11  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Sam Mohan <smohan@telogy.com>  
Subject: [14459] Have been receiving only partial digests since Saturday!  
Message-ID: <3326BFEB.415D@telogy.com>

I have been receiving only a part of the digest since the weekend. This problem existed about 2 - 3 weeks and somebody in the list complained. But Jim came back and said he did not detect any problem. But we still have this problem!

I wonder how many have received their digest only partially. Jim, is it some thing that can be fixed? I need my daily fix of QRP in full!

Tnx

72 Sam N3UTM  
SMohan@Telogy.com

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [14490] Help with coax  
Message-ID: <Pine.SUN.3.90.970312101601.29413A-100000@vortex.sage.dri.edu>

Hi All,

Question again. This time for here at work.

Is there a stranded, Teflon, RG58 that is rated for  
outside use?

If so, what is it called and where can I buy some? (Must  
take regular RG58 fittings).

Thanks,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: ukii@megsinet.net (ukii)  
Subject: [14517] Help: 38s- 74hcT240  
Message-ID: <19970312232442724.AAA190@ns1.megsinet.net>

Hello Gang...

While waiting for my elmer to get back here figured I would ask the  
group...

I am in the middle of troubleshooting my 38s and came to a conclusion  
that I blew up the 74hc240. My radio had zero output...

I went to RS and bought that 74hcT240,yes,I saw something mentioned about  
that chip,but cant remember what it was... ANYWAY,  
stuck the chip in the socket (whew) and I had output!

I tried my best to just wait till I got a replacement HC240,but  
well,curiosity got the

best of me and I called cq a few times. Well,after no luck I noticed that I  
had no

output again...wonder if the chip I stuck in there blew because of a lower voltage rating,or maybe I have something in my rig thats cooking those chips...

H E L P...

ALMOST have my first real working kit,dont give up on me now! (pleeze!)

thanks

73 de john

n9ukx

```
> if it doesnt have a sidetone <
-- or its not homebrew --
-- it must be a CB --
```

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: ukii@megsinet.net (ukii)

Subject: [14453] HELP: RF Probe basic's.

Message-ID: <19970312141933330.AAA208@ns1.megsinet.net>

Hello Gang.

Well,please suppress your laughter for a bit...

I am trying to use an RF probe,very similar to the one in the ARRL handbook,

but dont know if I should have the meter on AC or DC! Yes,I know,but I have been hiding out under NilsBulls front porch sniffing the discarded cider

jugs

and kant seam to tink kwrite klearle nemore.

Any help please?

(Might be helpful to the list,probe use,basic construction.)

Thanks...

73 de john

n9ukx

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: "Dick Dillman" <ddillman@igc.apc.org>

Subject: [14398] Howdy

Message-ID: <77944.ddillman@igc.apc.org>

Ahem... Hi, guys!

I've been standing over there in the corner listening to the

conversation here for the last week or so and figured I better say howdy.

I don't know what happened but I got the QRP bug a couple of months ago and finally found your list. It's odd, really, as I'm not active on the air and my interest up to now has been in big old tube-type receivers.

Anyway, I figure a QRP station will be just the thing to add that final touch when I go camping with my 1958 Willys 4X4 wagon pulling my 1947 teardrop trailer!

For some reason I am lusting for a HW-9 at the moment, even though I have never seen one in the flesh. I realize this might require some modification of the weight specification in my signature line.

I'd appreciate any words of wisdom about this radio as well as guidance about antennas. Right now I'm thinkin' wrist rocket and fishing line and a light weight dipole.

By the way, I think I actually heard a couple of you last night - KB0ROL and K8CV on 7.112Mc. That's really saying something as I'm in a high noise city location with maybe 30ft. of wire 20ft. off the ground.

Regards,

Dick

Dick Dillman  
WPE2VT W6AWO  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)  
Subject: [14498] HW-8 Mod  
Message-ID: <199703121946.0AA26547@alig1.firewall.lucent.com>

Dont know if this message got thru the 1st time:

HW-8 tune up bridge.....from G-QRP Handbook 1983 pg. 78

Substitutes for British parts:

Use an 1N34A diode (Radio Shack) for the 0A90  
and an FT-37-43 core for the FX 1596  
and 91 ohms for R3  
and 500 ohms for VR

This simple bridge works OUTSTANDING in the HW-8

W1FMR

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [14500] KA2PQY de K1mg  
Message-ID: <199703121942.NAA29008@multi13.netcomi.com>

Sorry for the bandwidth, folks.

KA2PQY de K1MG

I've been trying to send you email concerning 50/40/30 for a week, but it is always returned 'host not found'. Please send me the correct address. Thanks.

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Jim Dolson <dolsonj@ix.netcom.com>  
Subject: [14462] Looking for Chip Info - KB8527A  
Message-ID: <3.0.32.19970312095011.006c7164@popd.ix.netcom.com>

I have searched the net far and wide for information on the Samsung KB8527A chip but haven't found anything useful (just a couple of press announcements).

Does anyone know of either a page for finding technical information on chips or a phone number for Samsung Electronics?

(p.s. the KB8527A is a RF amp/rcvr chip)

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [14457] N38S-Building/Phase I  
Message-ID: <01IGEPGGKK3M8WWHR4@tntech.edu>

guys and gals:

well after entering Therapy in order to deal with my anxiety over 100+ of mods, I think I am finally cured.

I sifted thru, and basically Phase I all I did was change L1 to the 6.8 choke and C26(?) to the 330 Silva Mica.

Dougy and Ori did a GREAT Job.. just build the kit.. follow the EXCELLENT directions.. that is what I did.. just went step by step (I like checking out manuals as part of the building).

I finished stuffing all the parts then hooked up the jacks. I really like the easy to find numbers for hooking them up.. only took a few minutes. I check between +/- and make sure I don't have an obvious short before applying power.

Applied 12 volts and no smoke, nice hiss in the headphones. Watched a little TV.. couldn't resist, back to the cave. Took my MFJ antenna analyzer, which doubles as a signal generator and just put it near the antenna connection.. took at least 1.5 seconds to peak the receiver, and it was an obvious peak.

Went back and watched tv. Couldn't wait, back to the cave.

Hooked up my Oak Hills QRP Wattmeter and QRP dummy load. shorted across the key jack.. sidetone (sounded good) about 1 mw or so. I hooked up the scope to the antenna jack. I really suggest using a scope from what I saw. With a scope.. took about 2 seconds to peak the transmitter.. real obvious, nice clean output. was a little concerned about the power level.. but things just felt right.

More TV.. back to the Cave.

took a quick look at the wattmeter, noticed it was in REVERSE mode (use it this way with autotuner to check for SWR). switched to forward.. 250 mw. Turned on my Kenwood 930S and tuned to frequency.. had a small wire sticking out of the antenna connector on the rig.. and no antenna hooked to the Kenwood across the room. The 250 mw almost pegged the meter on the Kenwood, nice sound also.

More TV.. back to the Cave.

I was very curious about the frequency range. After reading MANY posts about how to get the tuning in range, was not looking forward to this.

Hooked up my old Heathkit Frequency counter. The coverage.. no other work 10.098-10.130. Couldn't have made it any better if I planned it :-)

cut the trace and wound the coil for the power mod, which I will do next. then the keyer mod.

My only remaining concern is about the sidetone on the keyer and the thump. Tempted to leave off the keyer if it is going to cause problems.

72

Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Brent Alexenko <alexenko@prairie.nodak.edu>  
Subject: [14509] ND-QRP on the air.  
Message-ID: <Pine.OSF.3.91.970312154256.9745B-100000@prairie.nodak.edu>

Wow!

Well, I guess there are good days and there are bad days. Last time I tried I got QRN'ed to death!

I'm going to try again on 7.112 as many nights this week I can. It's spring break, and I can spend more time on the radio! Look for me around 10 pm Central time.

If there's QRN of the magnitude there was last time, I'll go down to 7.040ish and see what's going on down there.

CQ CQ CQ DE KGOWE KGOWE KGOWE/QRP K

Hope to work you all...

Brent  
KGOWE  
West Fargo, ND



From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: n4so@juno.com (CHARLES K BROWN)  
Subject: [14413] NorCal Sierra  
Message-ID: <19970311.223911.7639.8.n4so@juno.com>

ARRL Handbook - 1996 edition features about 7 pages of  
info on the Sierra on page 17.89. Complete construction info and a  
2-page schematic.

Ken Brown, N4SO  
QTH Near Mobile, AL  
QRP-L #622  
n4so@juno.com

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Randy Hargenrader <randyh@harksystems.com>  
Subject: [14513] Notch uses  
Message-ID: <33273282.2E36@harksystems.com>

Hi gang,  
I found another use the "notch filter" knob on the front  
of my radio...  
I found that if you can carefully tune the notch to one side  
or the other of a weak signal, you can sometimes improve the  
copy by eliminating some of the "white noise" that is near the  
audio frequency of the signal you are trying to copy.  
I may be the last one to discover this.

--

73, Randy WJ4P  
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [14397] O'scope book  
Message-ID: <199703120209.VAA19792@mh004.infi.net>

Gang,

I'm reading a pretty fair book on Oscilloscopes that's available from JDR  
electronics. It's a Tab book, so it may also be available at local  
electronic stores. title, "Troubleshooting with your Triggered-Sweep

Oscilloscope" by Robert L. Goodman.

It includes descriptions of some current model scopes, including the use and purpose of each panel control. Just bought a used scope and it covered all I need to learn the controls. (although my scope was not one of the ones in the book) It has about 6 pages on probes.

Also has some troubleshooting procedures for TVs and VCRs. It includes some stuff related to scopes, like waveform analysis and spectrum analysis. It's not a primer, exactly, but it does include the basics and some applications.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not necessarily. - Benny Hill

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: kc4mhm@juno.com (ed miller)  
Subject: [14407] OHR 100 ALIGNMENT  
Message-ID: <19970228.172242.4967.1.KC4MHM@juno.com>

To the person who asked about needing a scope for the alignment of the OHR 100 rig. I deleted your post so I am unable to respond to your question directly. I just got my OHR 100 in the mail today as a result of the group buy (thanks) and to my untrained eye it seems that the need is due to a double tuned circuit in the VFO. A good description of this type of circuit was written by Wes Hayward in QST December 1991 pg 29, titled THE DOUBLE-TUNED CIRCUIT: AN EXPERIMENTER'S TUTORIAL. It is reprinted in the ARRL publication QRP POWER pg 5-29. The article explains the tuning procedure and uses a meter circuit which may be an acceptable substitute for a scope. I don't know if this is any help to you but am sure you will get a lot of input from this fine group. good luck with the rig and hope to work you with mine. BTW could not hear the FOX at my QTH in north FL.

72 from Ed KC4MHM

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: QLF@mimi@magic.itg.ti.com  
Subject: [14403] OUR DIFFERENCES - - - - -  
Message-ID: <9703120340.AA21207@itg.ti.com>

From: Brad Bradfield QLF

Subj: OUR DIFFERENCES - - - - -

Max wrote:

> In conclusion, I would like to say that it was not my intention to create  
> factions or fights here on the list. We Low Power and QRP types have much in  
> common, and I think we can benefit from and appreciate each other more by  
> recognizing and understanding our differences.  
>  
> 73's max

Good evening to my good friend and brother Max - -

I think your final statement pretty well sums it up: we can all benefit from each other regardless of what our personal interests and thrusts are. I personally don't think there is a need for additional labels, and in fact I tend to not like labels anyway because too often someone else will take offense at them.

We all have different interests in the hobby: some like to operate, some like to design, some like to build, some like to putter around the shack, some buy their equipment, some build antennas, some backpack, some go mobile, some hate CW, some are Extras, some write software, some are Technicians, some are female, some like kits, some are double-e's, some like females (oops), some like packet, some operate satellites, some like the ARRL, some like DX, some love 160 meters, and some even like Wayne Green.

Not one of these personal preferences makes any one of us any better or worse a ham or QRP'er than anyone else. Max has bought much of his equipment and couldn't backpack it with much less than a pack mule. That's ok, and he's still a QRP'er in my book. The guy in the ARS Sprint with the 1000 Q's per pound ratio is a QRP'er too, but no more and no less than Max. The guy with five watts and more antennas and rigs than W6AM is still a QRP'er, as is the guy with a 49'er and an SLV.

Diversity is what makes this world (and this hobby) great. The fact that we don't have to always agree on everything makes this world great too. God made us all different and we'll allways stay that way.

'Nuff said. Good to hear from you Max.

Oh, well.

72's es 73's,

Brad, WB0CGH

\*\*\*\*\*

OLF@MSG.TI.COM

ARRL Life Member      ORP-L #377      SMIRK #4906      IEEE(M)      ARS #72

\*\*\*\*\*

I want to make a cavity about 8 x 3 x 6 (inches that is) out of double sided copper. I expect I will make many mistakes. Anyone have a real cheap source of such stuff?

From owner-grp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

Subject: [14507] pixie modifications?

Speaking of Pixie 2, does anyone have an archive of mods/debugging info gleaned from the archives? I'd love to hear of others experience and problems with this fun little xcver.

— —

From owner-grp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: torell@sicom.com (Kent Torell)  
Subject: [14483] propagation  
Message-ID: <v02130503af4c89682451@[192.91.202.41]>

STD has predicted another coronal mass ejection should hit us sometime between tonite and tomorrow (13-14 March, utc). Normally this makes for lousy propagation, with very high A and K numbers, auroral activity, etc. Last time, however, it caused the world-wide propagation enhancement as it hit, including long path propagation. People were reporting hearing their own cw about 130 mS later! Grab your dxcc list, check 15 meters, and cross your fingers :-)

Kent Torell    torell@sicom.com    602-483-2867 x230  
SICOM    7585 E. Redfield, #202    Scottsdale, AZ    85260  
AB70A    scQRPion 6,qrp-1 57,ARCI 9075    DM33xn    33.55 N 111.078 W

From owner-qrp-1@Lehigh.EDU    Wed Mar 12 18:04:00 1997  
From: "Mark VandeWettering" <markv@tick>  
Subject: [14495] Questions on the Pixie 2.  
Message-ID: <9703121100.ZM25913@tick>

I was assembling the Pixie-2 transeiver kit that I got last weekend (these kits are made up by HSC). All was going well, until I went to install the inductors. L2 and L3 are fine, but L1 is supposed to be a 15-22 uhenry inductor. The color coding on the inductor looks like orange-red-black to me, which indicates a 32uhenry inductor. Has anybody else had this problem? What problems am I likely to incur if I install this inductor? (I am a total amateur at this kit assembly stuff).

Thanks in advance -

Mark

--

Mark T. VandeWettering  
Email: <markv@pixar.com>  
      <markv@webpace.com>

Telescope Information (and more)  
<http://webpace.com/markv/>  
Clear Skies!

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Ken Lopez <kjlopez@earthlink.net>  
Subject: [14426] Repeat Messages  
Message-ID: <3326428C.C1D@earthlink.net>

Is it just me, or are we getting messages repeated a few days after the original post? I am having serious deja vu tonight as I read through the messages. There are at least a dozen that I am sure are repeats. Either I am loosing my mind, or I am Psychic, or, they are being resent by nefarious types to subvert us. What say you all...

Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
Subject: [14492] RF Safety  
Message-ID: <3326EF7F.5AB6@pacific.vdbs.com>

Pardon the bandwidth. There was a gentleman on the list that was an MD and has done some writing about RF Safety. I believe he was a VE and his name was Scott?. If you are out there can you please contact me at my email address. I would like to discuss an RF Safety issue with you.

Thanks you.

--

73 de Jeff AC6KW  
grudin@vdbs.com

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|                  |                                           |
|------------------|-------------------------------------------|
| QRP-L #16        | Private Practice : Companion Animals and  |
| Exotics          |                                           |
| Norcal QRP #1292 | Ocean Animal Clinic / Cat Clinic of Santa |
| Cruz             |                                           |
|                  | Santa Cruz,                               |
| California       |                                           |

QRP'ers do it with less energy (but lot's of enthusiasm)!

---

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dan Keen <70731.722@compuserve.com>  
Subject: [14502] Sierra on the air  
Message-ID: <970312203804\_70731.722\_EHM82-1@CompuServe.COM>

> Gang:  
>       Sierra report from Central Ca (40 m module complete)...First QSO  
> southern Ca, second QSO NF9V in Ill and the ant is a hidden dipole laying  
> on the tile roof!!! What could I work if I were permitted to put up a  
> decent ant? KC-2/S meter/keyer working great, can't tell if buzznot works  
> since I don't have any noise at this time. Now to start the 20 meter  
> module. Sure was a fun project....Who has the info on pumping this baby  
> up to 4-5 watts? Will it drive my SB-220?(The devil made me say that.)  
>  
>               72/73       Jay, W6JDB    Madera, CA  
>

Yep, Sierra is nice rig. Would like to hear about the effectiveness of the buzznot, whenever you get to test it, like when cars start driving by causing faint ignition static.

BTW, what are the deatails on the hidden dipole laying on your roof?

Dan K6DZ, 70731.722@compuserve.com

From owner-qrp-l@Lehigh.EDU   Wed Mar 12 18:04:00 1997  
From: Elliott Lawrence <edl@pacbell.net>  
Subject: [14501] Sierra Power Output  
Message-ID: <33270E6B.1DEC@pacbell.net>

Thanks to the good auspices of the fellows on this reflector I was able to get a copy of the December QRPP. My copy hasn't arrived and I don't plan on ever seeing it! I just want to make sure that my records are OK so the next issue will arrive promptly via 1st class mail.

The issue contained a very interesting article by Bob Follet WA7FCU on his efforts to improve the output power from his Sierra. Since that was the next project on my list I decided to attack the problem. Well after putting in all of the mods I determined appropriate except for the final, I was able to increase the output power by approximately 3db. The most challenging band was 15 meters where the stock radio only put out 1 watt. This increased to almost 2 watts. 40 meters went from 2 to 3 watts.

Well I decided to try the final amp change from the 2N3553 to the MRF237. Boy what a change. The output power is 4.5 watts on 40m and 3.0 watts on 15m. This is a lot more improvement than I expected but was a very pleasant surprise. I also decided to eliminate the series diode with the

0.5 volt drop and replace it with a shunt reverse biased diode and an in-line fuse for polarity protection. All of the measurements are at 13.6 volts power input.

I would highly recommend that anyone desiring to increase the output power from their Sierra make the changes indicated by Bob, especially the MRF237.

vy 72/73

Elliott WA6TLA  
NorCal #1402, QRP-L #920

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: jayboy@psnw.com (Jay & Jackie)  
Subject: [14442] Sierra problem found!  
Message-ID: <199703090219.SAA08818@sierra.psnw.com>

Thanks for all the suggestions on my low rcvr sensitivity in the Sierra...Most centered around the T-1 coil. Well, the problem was a poor solder connection on pin 6 of U5...I could not have done it since my soldering is always flawless....Next, install the Buzznot and get the KC-2 first digit to read correctly (I'm on 7050.0 and it reads 250.0). Vacation in two weeks, the pressure is on.

Jay, W6JDB

Temp in Central Ca in the 70's...what a beautiful weekend.

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)  
Subject: [14496] Sub  
Message-ID: <199703121916.0AA06637@alig1.firewall.lucent.com>

Hi

HW-8 tune-up bridge....

>From G-QRP Handbook 1983 pg. 78

I used a 1N34A diode (Radio Shack) for the OA90



and FT-37-43 core for the FX 1596.

Also used 91 ohms for R3  
and 500 ohms for VR

Works EXCELLENT in the HW-8

W1FMR

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [14392] Techniques/Books, etc...  
Message-ID: <3.0.32.19970312012503.006c7398@mailhost.primenet.com>

Switched from "Digest Mode" to "Live Mode"  
as few of my requests were answered privately.  
It is tempting to reply to more posts, though,  
and as you know there are ~100 daily.

Be that as it may,

- 1) My post the other day asked about "Operating Technique" and I have received NOT ONE reply!
- 2) I am looking to buy ARRL publications and wonder about inexpensive sources? Do resellers discount them?
- 3) What opinions exist about the new ARRL QRP book called "QRP Power" listing for \$12?
- 4) Anyone have "used" books they would like to sell? Most amateur radio subjects welcome. (In case you didn't notice, I have a \*LOT\* to learn!)
- 5) Anyone have a recent (1996 or 1997) ARRL Handbook CDROM or hardcopy surplus to their needs? Old QSTs on CDROM? Other CDROMs?
- 6) There was discussion of books recently, but is there other required reading?

(Public or Private, your choice...)

Brian ke7gh@primenet.com >or< <http://www.primenet.com/~ke7gh>

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: k5hj@juno.com (Charles R. Ott)  
Subject: [14399] Ten-Tec 1330 Revisited  
Message-ID: <19970310.211619.9262.0.k5hj@juno.com>

Thanks to all who responded to my inquiry about the Ten-Tec 1330 kit.  
Well, I bit the bullet and ordered one today. Looks like I have the QRP  
bug and haven't been on the air in years. When I found out that the 38S  
kits are on hold for a while, I had to do something.

Hope to be on the air soon.

Charles R. (Randy) Ott - K5HJ - QRP-L #1040  
Duncanville, TX  
k5hj@juno.com  
Send Email with attachments to [isc@fastlane.net](mailto:isc@fastlane.net) (Juno can't handle them)

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bill Acito 12-Mar-1997 0942 <[acito@asdg.enet.dec.com](mailto:acito@asdg.enet.dec.com)>  
Subject: [14461] Ten-Tec reflector, www archive page location  
Message-ID: <9703121441.AA13228@us1rmc.bb.dec.com>

Since someone was nice enough to pass along the new location,  
I'll pass it along to the group.

If you would rather follow the Ten Tec mail refelctor via WWW  
versus e-mail, the new location for the page is:

[http://www.contesting.com/\\_tentec/](http://www.contesting.com/_tentec/)

Just click on the appropriate month. Supposedly, it is updated  
hourly.

b

. . . . . - I own my own words - . . . . .  
Bill Acito  
[acito@asdg.enet.dec.com](mailto:acito@asdg.enet.dec.com)

|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [14440] The Smell of Sweet Success...  
Message-ID: <3.0.32.19970309045304.00696988@mailhost.primenet.com>

Success at last.

The X1 crystal came in the mail today (thanks NorCal guys)!

The 38s worked on initial power-up. Output is 3.5w (on an Aukek WM-1, 20w scale) into the dummy load. Tuning range is from 10.0997 to 10.1215 (on my FT-990DC). 10.116 is at center of pot (and both increase clockwise!). TiCK is neat!

I heard N4HA very clearly working W5VBO on about 10.116 @0430z. Brian(#1) W5VBO is too close to hear. The frequency went dead for a while and I keyed the transmitter on the half-sloper to check it, and soon heard N4HA telling Brian about some LID. Unfortunately, this was my very first "contact" on the 38s.

The receiver peaked up (two places) nicely, but I have no way of characterizing the sensitivity. The RX/TX must line up, since my "QRM" was right on frequency...

I would not be offended if a local guru volunteered to check the RX for fun, though (especially sensitivity).

Many saw the rig (without torroids and crystal) at the scQRPion meeting (Phoenix) last week, but for everyone else, it is mounted in a TenTec enclosure of suitable size (for me to work on)... I WILL be putting pictures on WWW (now that I know it works).

Guess I won't have to go to the Hamfest next week to sell it ;^}

73, Brian

Brian ke7gh@qsl.net QRP-L #1031 NC38s APRS 30m QRP Test #1

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [14505] The Ultimate QRP DX?  
Message-ID: <970312210815Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

Just seen an item on a BBC TV Science Programme about Pioneer 10 and the plans by NASA to abandon the project soon.

The presenter said that the transmitter was "no more powerful than a torch". Considering the distance covered and the power level of the transmitter, is this the Ultimate QRP DX?

Perhaps "we" should commemorate the final close down of the spacecraft in some way? Maybe one of the next transceiver projects that some one comes up with could be called the "Pioneer 10" or a QRP contest using the same power as the Pioneer transmitter on the day it is finally switched off ? (Not sure of the exact power level, they didn't say on the programme - anyone know? Guess it must be in the milliwatt range)

Just a thought.

Cheers de Dave (G0DJA)

"How far that little candle throws its beams!" Merchant of Venice  
Act 5

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: AlK0FRP@aol.com  
Subject: [14519] wanted to buy  
Message-ID: <970312182738\_805420687@emout16.mail.aol.com>

Gang

before I order for full price, is there anyone who has a TimeWave 599zx For Sale and a Autek RF-1 RF Analyst. Can't get the 599zx yet, there all out everywere so speak up.

Cash ready to send your way .

I am in Chicago this week but still get E-Mail via laptop. Will bring my Sierra

out next week, found a spot in the hotel to string a sloper for 40 at abot 50

ft up. So those who need the much wanted Illinois QSO I'll be here on 40 m.  
AL K0FRP

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Vic Rosenthal <rakefet@rakefet.com>  
Subject: [14432] What the foxes have taught me:  
Message-ID: <3326509F.6E2C@rakefet.com>

Tonight, listening to the pileup and not hearing the fox, I realized that I have never failed to work a fox that I could hear! In other words, my foxhunt score (but not my electric bill) would be exactly the same if I were running 10 KW.

I have a good, sensitive, selective receiver (TS-830s with 500 Hz CW filters at both IF's plus outboard audio filter). The two filters and VBT allow me to narrow the IF passband very nicely. So the problem resolves itself into too much noise into the receiver.

I can't put up a horizontal antenna high enough to be good for DX on 40 meters (DXing is my other main interest along with QRP). The verticals (and now inverted-L) that I've used have been better or worse transmitting antennas (the inverted-L seems to be the best so far), but they are all inherently noisy. I live in an urban area, too.

So, what to do? I've come up with two possibilities:

- 1) Get or build a noise-cancelling device like the JPS unit.
- 2) Put up a low-noise, balanced horizontal RECEIVING antenna. Maybe a shortened dipole with a preamp. Continue transmitting on the vertical.

Anybody have any comments or ideas?

Vic K2VC0

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
Subject: [14485] What the heck is a "twist"?  
Message-ID: <1997Mar12.124724-0500@[130.113.234.7]>

Reading the Handbook last night in a fit of insomnia. LOTS of interesting data, including the impedance of twisted-pair magnet wire transmission line - useful for winding wide-

band toroid transformers.

Impedance changes when you twist the two wires tighter. Handbook specs "twists-per-inch".

But what the heck is a "twist"?

Anything like a double-lutz? maybe a double-litz? Do you count the bumps-on-the wire (that'd be 180 degree "twist")? Or do you count a twist as a full 360 degree (two bumps)?

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: Steve/n0tu <N0TU@webaccess.net>

Subject: [14494] What's a "Good" 40m Mobile Ant??

Message-ID: <3326FB9E.71A0@webaccess.net>

I'm sure this Query will generate varied opinions! But I want to join the gang of mobile CW optrs on 7040 and I'm looking for ideas, sources of hardware and recommendations on designs be it HB or off the shelf. BTW what's a hamstick...are the any good. Years back I used a hustler system...worked ok...then I wound a bug catcher with taps for favorite freqs worked very good! Anyone making BC types now...Steve

-----  
"Just doing it" - Havin'a blast buildin'& usin'QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: N4JS <n4js@amsat.org>

Subject: [14401] WHINE!

Message-ID: <v03020900af4bd1fbf013@[206.106.174.44]>

-----Begin Whine-----

I got dressed for work, and everything set out so I could get some time in persuing that elusive NV fox. Fired up the Sierra early. At 0200Z, turned the KC2 to 7042, and there he was, weak, but readable. Then the MOST GOD-AWFUL PILEUP!!! Every Texan and Californian and Arizonian in the US was calling! And Ron was working them!! By 0215Z, he was 579 here, but still working Texans...etc. I kept trying until 0225Z (which almost made me late for work), but couldn't break the "redneck curtain."

Signals were TERRIFIC! If I could have stuck around, I am sure the Texans would have finally run out of propagation, giving us East coasters a shot! (Yes, and the Californians, Arizonians....)

Ron, you had some pileup. You sure should have broken 100 QSOs. Sorry I wasn't one of them.

-----End Whine-----

|                                           |                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------|
| _ \           _     / _ _                 | John L. Sielke n4js@amsat.org n4js@pobox.com                                   |
| . '     _ _         \ _ _ \               | n4js@n4js.ampr.org NJ Grid:FM29LN                                              |
| _   \ _     _   \ _ _ /   _ _ /           | <a href="http://www.pobox.com/~n4js">http://www.pobox.com/~n4js</a> NJ-QRP #57 |
|                                           | QRP-L #884 QRP-ARCI #9328 NE-QRP #507                                          |
| G-QRP #9544 Norcal #???? QCWA Life Member |                                                                                |

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [14506] WTB K1BQT/RadioKit QRP-40 30 20 17 15 other  
Message-ID: <199703122110.PAA03656@admin.inetport.com>

Hi Gang:

Well it had to happen didn't it?????

After all that work on the little Beasty, and running the Bibliography strings related to it, I sort of developed a liking for it...(This could be a bad omen....) :-)

I mean VFO, 150 khz, 2 or 3 ne 5 watts, agc, MC1350, NE602, wee size ... What more could you ask for??....  
(Oh yeah, working... Well we'll try to fix that part!!! :- )  
Got to conquer that Transmitter and make it all FETin spite of that teenie weenie board.... :-)  
(Gotta have some goal, right???)

S0000ooooooo.... If any of you have one of these around that you want to part with let me know....

Looking especially for nonworking, smoked, damaged ( READ CHEAP) ones...All good parts not required.... ANY condition considered....

Let me know the suspected/known condition and your asking price.....Direct to me...

By the way that can sure be some interesting reading, running the bibliography...Came across all sorts of things, even the Neophyte receiver....

Now if we could only get the complete run of  
all the ham mags and professional journals on CDROM  
at a reasonable price, I would have room in my closet  
for more PARTS and RIGS...:-)

Larry

KA5T Larry Wise Georgetown, Texas lewise@inetport.com QRP-L 89 ex K8OSG  
W6HED W4ZTB

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: MRice@mindscape.com  
Subject: [14508] WTB: code learning device  
Message-ID: <88256458.007579CC.00@nvtonotes1.mindscape.com>

or borrow or build...

The CPU thing(XT) at home is always in use by the kids for Learning  
their own stuff, and I cannot seem to configure my Work PC(not-XT) for  
Super Morse. I tried putting the program on a diskette for dual use,  
but between configuring for 8-bit/PC speaker and 32-bit/SoundBlaster  
twice daily, keeping time for me and the wife(etc.) and not having  
headphones at the right place & time...

Short of the MFJ catalog(local electronics jungle doesn't carry the  
gizmo), any suggestions?

Still codeless,

Mike KB0NND  
my QTH isn't in the book, form 610 is in the mail  
Thanks in advance for the bandwidth...



From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Joel Malman <malman@BBN.COM>  
Subject: [14411] Re: 12v Gell Cell Charger  
Message-ID: <199703120441.XAA54111@nss2.CC.Lehigh.EDU>

Dan,

Another way to go, esp if you want "off the shelf" hardware (and you have a local K-Mart)... EXIDE Corp (not EXIDE Battery) sells a unit called "ONBOARD BATTERY CHARGER".

It's supposed to charge your Car/Truck battery if you live in cold weather (hummm, like New England). The model number on my unit is No.7001204. It is rated at: 12 volt 1.5 Amp .. The blurb on the box says it "shuts down when battery is fully charged" and that it is supposed to be used for marine, tractor and motorcycle batteries.

It's about \$20 .... hey it's from K-Mart ....

Anyways, I have been using this charger for about 2 years. It easily charges my 4 AH Yuasa (for the keyer and other stuff) and for my 7 AH Yuasa for the QRP+. The charger does a quick flashing sequence when the battery is low and after about 24 hours of charging the charger will display a low flashing sequence. At that point the battery is fully charged. I have NEVER used a diode to protect against a power outage ... your mileage may vary.

/joel walqvm (concord, ma)

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [14491] Re: 50/40/30 WAS challenge  
Message-ID: <199703121833.LAA25327@dancris.com>

At 10:05 AM 3/12/97 -0800, you wrote:

>

>Let the fun begin! Here is the schedule for the first month of the  
>50/40/30 Worked All States Challenge.

>

As with the FSFD schedule, I have posted this one on my page, under the button "WAS QRP". I'll keep it current at Mike posts his schedules.

73,

Bob KI7MN Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221    ARCI #8918    Qrp-1 #271    CQC #274    AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU    Wed Mar 12 18:04:00 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [14493] Re: 50/40/30 WAS challenge  
Message-ID: <199703121854.MAA26319@multi13.netcomi.com>

Due to a misfired neuron, I inadvertently left off one of the highlights of this month's 50/40/30 schedule!

On April 3 (April 4 UTC), please work our novice/tech ambassador from NY, KB2YWT.

Mike K1MG

From owner-qrp-1@Lehigh.EDU    Wed Mar 12 18:04:00 1997  
From: "chuck munce" <k0gjx@msn.com>  
Subject: [14452] RE: American Sub for European Parts???  
Message-ID: <UPMAIL05.199703121415340799@msn.com>

sounds like a 1n34a.best of luck 73 chuck k0gjx

-----  
From:        owner-qrp-1@Lehigh.EDU on behalf of Mike Perry  
Sent:        Tuesday, March 11, 1997 1:09 PM  
Subject:     RE: American Sub for European Parts???

Wow, that was a long time ago! The HW8 still performs as a vacation rig. As far as I remember the component choice was not critical. But I don't have data sheets any more, and I've mostly lost contact with G-land where I got the stuff.

The toroid hosts an RF transformer and the core is about half an inch diameter. I haven't tried Amidon FT50-61but that is where I would start looking for a second source.

The OA90 is a general purpose, small-signal, germanium diode with axial wire leads and a glass case. The low voltage of germanium (0.3 V) compared to 0.7 V for silicon motivated the choice.

>From: Bill Myers <bjmyers@arc.net>  
>I'm going to be making the reflected power measurement  
>mod to my HW-8, the one published in the Autumn 1980  
>issue of SPRAT by Mike Perry (PA3ASC/G4HWZ).  
>Anyway, the parts list calls for a FX1596 torroid (14mm OD)  
>and a OA90 diode. Could someone please tell me what the  
>American equivalents are for these parts???  
>Thanks es 72/73  
>  
P.S. I let the G-call go a few years back  
Hope this helps,  
73 de PA3ASC  
--  
Best regards from The Netherlands,  
Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl ]  
=====

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: ka7you@juno.com  
Subject: [14388] Re: Back Home Again / Sierra Mods?  
Message-ID: <19970308.131834.17119.5.KA7YOU@juno.com>

Monte,

What is a CCW permit. Is that like in 'concealed weapon'? Was she packing a '38 Special?

I met a security guard in the Seattle airport who knew what QRP meant, because he asked me if my two transceivers were QRP. ( I had an OHR-40 and a NW-30 in the briefcase) After a brief chat and the OK to go on through, I told him about the 38 Special kit that I was building. He just rolled his eyes and said " I can't wait for you guys to start bringing those through here. You will all have to announce very loudly what it is"

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
NWQRP#120 ARCI#7251  
QRP-L#844

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: Dan Hogan <dhhogan@lightside.com>  
Subject: [14422] Re: Brit Transistor  
Message-ID: <3.0.16.19970311210220.2e1744c8@mail.lightside.com>

I have been informed that the ZTX312 same as NTE123AP. The NTE123AP is equivalent to the 2N4400/2N4401. I wonder if the ZTX313 is the PNP 2N4402??

Thanks to all that responded.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Leon Heller <leon@lfheller.demon.co.uk>  
Subject: [14516] Re: Brit Transistor  
Message-ID: <01M3fKASfwJzEwfz@lfheller.demon.co.uk>

In message <3.0.16.19970311120139.1a3763e4@mail.lightside.com>, Dan Hogan <dhhogan@lightside.com> writes  
>Can any tell me what the US equivalent of a ZTX312 and ZTX313 is?

The ZTX313 is a Zetex NPN high speed switching transistor, and looks almost identical to the 2N2369A, according to the data in the Farnell catalogue. Leads are C B E looking from the ends, with the flat side downwards.

Leon

--

Leon Heller, G1HSM  
leon@lfheller.demon.co.uk  
Tel: +44 (0) 118 947 1424 (home)  
+44 (0) 1344 385556 (work)

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: mike wood <K6MW@server.worldinfonet.com>  
Subject: [14518] Re: Cascade kit for sale  
Message-ID: <33273CD9.4C68@server.worldinfonet.com>

Not sure why this posting was rebroadcast, but the Cascade kit has been sold. It's new home will be up in Washington.

73, mike

73, mike

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [14427] Re: Coil wire sizes  
Message-ID: <3.0.16.19970311214031.19d79b2e@mail.lightside.com>

Bill:

#20 AWG = 32 mils  
#22 AWG = 25.3 mils

>From the ARRL Handbook.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [14423] Re: Crystal grinding  
Message-ID: <970308220607Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

Can't claim any experience of crystal regrinding as all my surplus crystals that can easily be taken apart are above the nearest amateur band to the frequency that the crystal is already on.

However, an old compilation of articles from SPRAT, circa 1983, has an article by G. J. Bennett (G3DNF) in which he describes the techniques of regrinding old crystals and suggests the use of carborundum powder.

G3DNF advises using two grades, Fine Grit (also known as carborundum flower) and Medium Grit, with water to make a grinding paste. He also suggests getting small amounts of these by buying a beginners' rock polishing kit. By this I guess he means the ornamental and educational rocks from caves and from cliffs etc., rather than the slang use of the word "rock" to mean a crystal for use in an oscillator circuit. (Sorry, a brief lapse into a previous thread!)

He also advises using care when disposing of the used carborundum, as it can take the finish off the sink, in his day he said the glaze but I would guess that streaks in the polish of a stainless sink would be just as unwelcome and I wouldn't put it down the waste disposal unit either!

Cheers de Dave (G0DJA)

"How far that little candle throws its beams!" Merchant of Venice  
Act 5

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [14486] Re: DeBugging Presentation  
Message-ID: <199703121748.LAA22829@multi13.netcomi.com>

I want to publicly thank Doug Hendricks and Chuck Adams for their kindness, creativity, and generosity.

I looked at the TenTec 1340 kit in its box this morning and realized that I now had another kit to build and debug. It never ends (thank heaven!).

Doug, Chuck, and others on this list have, with creative inventions such as the Debugging Contest, put so much fun and excitement into a nearly century-old hobby that new-fangled distractions like computers, the internet, and cell phones can't compare.

Who would have thought that hundreds of us would be shaking with excitement while hunched over our old-fashioned telegraph keys straining to hear a faint squeal from another station a few hundred miles away -- in this day of dime-a-minute global calling.

Who would have thought that a thousand people would be looking over the shoulder of someone sitting at the bench with a soldering iron and oscilloscope, watching the tendrils of smoke curling up from the components -- in this day of 800 number/Visa card/next day delivery of the latest kW DSP pile-up busters.

Thanks Chuck, Doug, and all the others, for the excitement and the learning.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>  
Subject: [14455] Re: Duplicate messages  
Message-ID: <97Mar12.092610-0500\_est.10427-22786+88@hooch.cc.Lehigh.EDU>

> Yup. Same thing is happening here. I too, thought it was my server. Last  
> night it was about 20!  
>  
> Jim,,? Any problems you can see?

Bob & Gang,

At first I thought you're all nuts :-) 'till I saw Chuck's message from Sunday again. The offender is the mailer at skycorp.skynet.be bouncing back messages. The subscriber at that site has been removed.

Normally the list server detects and throws away duplicate messages, but because the round trip for these bounces was so long, by the time the message was echoed back the server had "forgotten" that it had already seen the message. Have to see if I can convince it to keep a longer "history" of messages it has already seen...

Anyway, sorry for the inconvenience. I think the problem's fixed.

73  
Jim N3VXI

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Ed Manuel" <n5em-qrp@msn.com>  
Subject: [14449] RE: DX - Me and my Sierra  
Message-ID: <UPMAIL06.199703121244360568@msn.com>

>I may never go QRO again. Did I say that?

>Okay now what? WAS/QRP! Join the local QRP club, AZ ScQRPions!

The ScQRPions? Oh my! You know, Mark, there is a 12 step program for former ScQRPions.

Ed, N5EM

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Michael Connor" <mikec@primenet.com>  
Subject: [14468] Re: DX - Me and my Sierra  
Message-ID: <199703121612.JAA19259@primenet.com>

Mark,

Don't listen to this guy, he's an honorary ScQRPion himself.:-)

He failed the 12 step, so he gave in and joined us.:-)

Ed came to our meeting, stood up and said " Hi, my name is ED,  
and I'm a ScQRPion". <from crowd> "Hi ED'!

We didn't have the heart to tell him that there is no cure.:-)

Sorry Ed, you came to Phoenix, attended a meeting, and pigged out  
at Luby's with us. According to our by-laws (by-laws?..haha)  
that qualifies you for a full lifetime membership with all rights and  
privileges.

Here's the bottom line Mark. Ed is a ScQRPion stuck in 5-land, and he just  
can't live with the fact that he can't make every ScQRPion meeting so he's  
trying to take the cure. Its a terminal disease though.....:-)

Mike

NQ7K

AZ ScQRPions

-----  
> From: Ed Manuel <n5em-qrp@msn.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: RE: DX - Me and my Sierra  
> Date: Wednesday, March 12, 1997 5:41 AM  
>  
> >I may never go QRO again. Did I say that?  
>  
> >Okay now what? WAS/QRP! Join the local QRP club, AZ ScQRPions!  
>  
> The ScQRPions? Oh my! You know, Mark, there is a 12 step program for  
former  
> ScQRPions.  
>  
> Ed, N5EM  
>



From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [14472] Re: DX - Me and my Sierra  
Message-ID: <199703121630.JAA00664@usr06.primenet.com>

Howdy Mark (and All),

(I'm running on the bold assumption that this was a new message and not a Holodeck copy that fell through the Time Rift. :-)

Mark (KJ7BS) wrote:

> My Sierra kit went together in 4 evenings, and with exception of the  
> coils, everything went like clock work. I even installed the KC/2.  
> ...  
> Today, 03/12/97 I got a 439 RST from FK8GJ in New Caledonia.

Good catch! Congrats! My Sierra and I are very jealous. :-)

> I may never go QRO again. Did I say that?

No harm if you do up the power now and again, of course, but it \*is\* amazing how the desire to do so fades quicker than a cheap newspaper in the desert sun.

> Okay now what? WAS/QRP! Join the local QRP club, AZ ScQRPions!

We'll even let you slide on buying everyone lunch. :-)  
Bring that Sierra! Be nice to compare the two.

> I do need some help though. When I tune to the bottom portion of the  
> bands, I can not get to the bottom. It only goes within a few Kz from  
> the bottom 2 to 5. Do I need to align the rig/VFO again? I'm sure I  
> can correct this, with some direction.

Two possibilities come to mind: Do you need to slide your overall range 5KHz down, or do you need to stretch the VFO's coverage? I had to spread out the turns of L2? (the big one on the main board) to get the full 150KHz coverage. If you're already getting that much range out of it and just need to scoot it all down a few KHz, then I believe it's just a matter of tweaking C7? on the band module to peak the crystal's output, then find the PMO's output. If those are where they should be, then hmmm....

Congrats on QRP, the new Sierra, and the DX!!!

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

2-Way QRP WAS: 46 (Need: HI, ND, RI, WV)

"It was the monkeys! The monkeys did it!"

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>

Subject: [14488] Re: FOX Log and etc

Message-ID: <Pine.A41.3.95b.970312094600.18246B-100000@homer08.u.washington.edu>

A noticeable lack of Washington state calls. We must have been in the proverbial propagation hole. I tried a couple times between dinner and evening chores but no luck. Later on I QSO'd with a fellow in Dana Point, CA, who was operating 2 watts on a ham stick. I had him 579 to 599. Then the path really went long as I listened in on a Florida station. Didn't last longer than a QSO and he was QSB gone.

Stephen Lee, AB7HI, Tacoma, WA

slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: Joe Gervais <vole@primenet.com>

Subject: [14497] Re: FOX Log and etc

Message-ID: <199703121925.MAA17381@usr04.primenet.com>

Howdy Folks,

> Chucks plan worked just great! Not only did he not let Calif  
> win tonight, he kicked them into 3rd place for this fox!

>

> TX = 15

> AZ = 9

> CA = 7

Hey Chuck, let us 'Zonies know if you need any help  
with that pizza bill. ;-)

Thanks for a great Fox run, Ron! Very nice turnout from the Valley of Oppressive Lung-Searing Heat! (Oh yeah, but it's a \*dry\* heat, like that's supposed to help... :-) )

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [14499] Re: FOX Log and etc  
Message-ID: <199703121935.MAA29055@dancris.com>

At 12:25 PM 3/12/97 -0700, you wrote:

>Hey Chuck, let us 'Zonies know if you need any help  
>with that pizza bill. ;-)  
>  
>

Speak for yourself, pal. We've been in the shadows too long.  
73,

Bob KI7MN Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [14391] Re: FYBO Log Deadline Soon!  
Message-ID: <8D3C43A.000400148C.uuout@cheaha.com>

-> suppliers all gave us fliers we could slip in with our  
-> QSLs? It'd be sort of a grass-roots QRP lobbying  
-> conspiracy. QRP - Taking over the world one ham at a  
-> time. <g>

A REVOLUTION!!!  
Imagine.....the DIT heard around the world!!!! :)

72/73

Ed Welch KF4KRV  
NorCal Member #???  
1st Grand Poobah ScQRPion of Alabama  
QRP-L #873 - FISTS #2964  
Luverne, Alabama  
Crenshaw County - Grid EM61

```
+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Randy Hargenrader <randyh@harksystems.com>  
Subject: [14400] Re: FYBO Tale of Woe - AL7FS  
Message-ID: <33262203.6711@harksystems.com>

C'mon Joe,  
That post was worth "one" QSO. Let him enter!  
--  
73, Randy WJ4P  
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [14420] Re: FYBO Tale of Woe - AL7FS  
Message-ID: <199703120457.VAA06023@usr09.primenet.com>

Howdy Folks,

Jim (AL7FS) wrote:

> So there you have my tale of woe. Joe said I had to write it up if I  
> wanted any chance in FYBO. So as my final whine, I was even coerced  
> into writing this saga.

And so goes our second entry in the "My FYBO Sucked More  
Than Your FYBO" competition. :-) Yes Jim, you're in the  
drawing. Well done! Heehee.

Here's the scoop folks. When setting up a winter field  
day, we were worried that some folks (through no fault

of their own) would try their honest best and still not make the minimum QSOs for the TenTec drawing. Storms, battery failures in the snow/rain, attacks by roving bands of rabid ice weasels, etc. Or even terrible condx in DX states. At the same time we wanted to keep the minimum QSO requirement to encourage participation.

Hence the FYBO Tales of Woe(tm) category. So if there are any of you out there who felt cheated by nature, downtrodden by events, but tried your best for as long as humanly possible, we want to hear about it. But it better be good.... :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's the monkeys! The monkeys did it!"

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [14433] Re: FYBO Tale of Woe - AL7FS  
Message-ID: <Pine.SUN.3.90.970311224258.27941G-100000@vortex.sage.dri.edu>

On Tue, 11 Mar 1997, Joe Gervais wrote:

> Hence the FYBO Tales of Woe(tm) category. So if there  
> are any of you out there who felt cheated by nature,  
> downtrodden by events, but tried your best for as long  
> as humanly possible, we want to hear about it. But it  
> better be good.... :-)

Hi Joe,

Well, I charged my battery, polished the antenna, soaked the paddles in antifreeze, took a shower and even changed my long handles.....headed for the door when the wife caught me..... She FORCED me to drive her to town and buy her a diamond ring.....said something about Dayton, too many rigs already, too darned many tower sections laying all over the place, too many dirty antennas stacked up here and there.....

Waaaaaaaaa, I wanted to play.....I know I could have made plenty of contacts.....was cold here in the hills.....

Just ain't fair.....Whine, whine.....Waaaaaaaaaaaa :-)

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [14450] Re: FYBO Tale of Woe - AL7FS  
Message-ID: <Pine.SOL.3.91.970312082604.22001F-100000@hyper>

On Tue, 11 Mar 1997, Randy Hargenrader wrote:

> C'mon Joe,  
> That post was worth "one" QSO. Let him enter!  
>  
I agree, especially after causing all his problems! :-)

Bob Patten, N4BP  
Plantation, FL  
n4bp@shadow.net

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [14475] Re: Gel Cell position  
Message-ID: <199703121653.JAA01875@usr06.primenet.com>

Bob (AE4IC) wrote:

>  
> Is there any reason why a Gel Cell can't be placed on it's side  
> or upside down?

Well shoot, if you have it upside down won't the electrons  
drain out the other way and reverse the current?

:-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's the monkeys! The monkeys did it!"

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Randy Hargenrader <randyh@harksystems.com>  
Subject: [14477] Re: Gel cell position  
Message-ID: <3326E2AD.590D@harksystems.com>

To my knowledge (!) a gell cell is sealed and can be placed in any position forever. Regardless of gravity, which is relentless I might add. So, it will definently work but not work indefinently.

--

73, Randy WJ4P  
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
Subject: [14503] Re: Gel Cell position  
Message-ID: <M29909728.018.y6mwy.1.970312203834Z.CC-MAIL\*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

>Is there any reason why a Gel Cell can't be placed on it's side or upside down?

>Bob Kellogg, AE4IC, Greensboro, NC

Bob:

I think the reason is probably due to venting. If very aggressively charged or over charged or shorted, the battery may need to vent gas. This should not occur under normal conditions.

However, the vents are likely on the top side of the battery. If the battery were upside down or on its side, the Gel may prevent the vents from working properly..... Possible exploding battery, acid gel everywhere, not a nice picture.

I think I came really close to this once when I accidentally abused a pair of 6v gel cells. They swelled up quite a bit.

Mental note: Do not buy used gel cells at hamfests that exhibit any

swelling whatsoever. I now know how they got that way.

- Dan Tayloe, N7VE, Phoenix, AZ, QRPL # 696, Az ScQRPions

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: n4js@amsat.org  
Subject: [14504] Re: Gel Cell position  
Message-ID: <XFMail.970312155521.n4js@amsat.org>

On 12-Mar-97 Dan Tayloe-P26412 expounded:

>  
> >Is there any reason why a Gel Cell can't be placed on it's side or  
> >upside down?  
>  
> >Bob Kellogg, AE4IC, Greensboro, NC  
>  
>  
> Bob:  
>  
> I think the reason is probably due to venting. If very aggressively  
> charged or over charged or shorted, the battery may need to vent gas.  
> This should not occur under normal conditions.  
>  
> However, the vents are likely on the top side of the battery. If the  
> battery were upside down or on its side, the Gel may prevent the vents  
> from working properly..... Possible exploding battery, acid gel  
> everywhere, not a nice picture.  
>  
> I think I came really close to this once when I accidentally abused a  
> pair of 6v gel cells. They swelled up quite a bit.  
>  
>

Sound like you are anthropomorphizing gel cells (I do all the above when I have gas, too, no matter what position I am in.) Let's hear it for "venting."

(Ok, ok, I'm still upset about missing the fox.....)

Sent at 15:55:21 on 12-Mar-97

|                               |                                                                     |                |                |
|-------------------------------|---------------------------------------------------------------------|----------------|----------------|
| _ _ _ _ _                     | John L. Sielke                                                      | n4js@amsat.org | n4js@pobox.com |
| \           _     / _ _       | n4js@n4js.ampr.org                                                  | NJ Grid:FM29LN |                |
| . '     _ _       \ _ _ \     | <a href="http://www.pobox.com/~n4js">http://www.pobox.com/~n4js</a> |                |                |
| _   \     _   \ _ _ /   _ _ / | NJ-QRP #57                                                          | QRP-L #884     | QRP-ARCI #9328 |
| NE-QRP #507                   | G-QRP #9544                                                         | NorCal QCWA    | FISTS #2781    |



From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Randy Hargenrader <randyh@harksystems.com>  
Subject: [14510] Re: Gel Cell position  
Message-ID: <33272709.7A84@harksystems.com>

I believe that gel cells have a bladder in them to capture gassing. That may be why they don't leak gel.

--

73, Randy WJ4P  
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: NilsBull@aol.com  
Subject: [14520] Re: Good grammar or good taste?  
Message-ID: <970312182953\_1613680225@emout15.mail.aol.com>

Speaking of spell checkers, Al Moyle wrote: " Without thinking, she just hit return. So everyone got a message about the Goddamn Visiting Scholars program. That's the funniest thing that's happened at work in a long time... and on a Monday, when we needed it the most :-)."

Well, it might have been funny, but in our little corner of hell (Wright State University's media circus), she would have been fired point blank. This despite the 2nd in command's having greeted me and any number of other workers on many occasions with a monosyllabic anglosaxonism for coitus followed by the 2nd person singular pronoun as invective. So much for professionalism, ne?

Have a chuckle and be glad you ain't one of them what can't.

73  
Nils  
WB8IJJ +c

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [14421] RE: Ham radio & Slang...  
Message-ID: <970308220606Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB@MHS>

I was once telling someone, in conversation that I was a "Radio Ham" and he replied that he was a "Radio Bacon". He was not a Radio

Enthusiast at all but seemed to want to pull me up on my use of slang!

Imagine the lengths that some of the messages on this list would need to be if we did not use abbreviations? I have had to take out several uses of the ' in words on this message.....

I have a far more lenient attitude to slang and abbreviations, I answer to most things, except early morning calls HI (oops - that slang word slipped out, sorry)

Have you ever heard someone tear someone else off a strip for using a Citizens Band expression, then come out with a stream of Amateur Slang that would be regarded as just as daft in "normal" conversation? I have and I have not known whether to laugh or to point out the double standard.

Let us (nearly said Let's) not quibble about exact usage of language or grammatical form. Let us get on with communicating amongst the group on the subjects of low power radio telecommunications (This paragraph to be read with a plum in the mouth)

Cheers and 72 de Dave (G0DJJA) - Oh rats, I did it again.

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Paul Cereste <cereste@myapc.com>  
Subject: [14484] Re: Hamstick -Reply  
Message-ID: <s326a306.030@myapc.com>

Gary,

Thanks for Hamstick information. I have a few more questions.

The Hamstick instruction sheet shows a capacitor at the feedpoint going to ground. I called the manufacturer to ask how it was grounded (if one were to use a magnet mount). They told me that it would be grounded through the capacitance between the magnets and the car body. It seems to me that what we'd have would be series capacitors so that if I didn't use a magnet mount, I'd have to use a smaller value capacitor if I went directly to ground, such as with a gutter mount.

However, in talking to QRO Hamstick users, I haven't found anyone yet that has a capacitor at the feedpoint. Everyone

that I've talked to just uses a tuner. I thought that for QRP applications, I would want to get it as close to resonance at the feedpoint as I could, so I've been devising ways to rig a capacitor.

How about a spring? I'm concerned about the interaction between the Hamstick and low hanging tree branches. I haven't seen any info on what a spring mount does to the performance/tuning of the Hamstick. Any ideas?

What I'm trying to do is 40 Meter QRP mobile or portable in the general CW portion of the band. I have a borrowed "Ugly Weekender" 4 watt xcvr with no tuner. When I get my 38 Spl built I'll be facing the same challenge on 30 M.

73, Paul, K1CGZ

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>  
Subject: [14473] Re: Have been receiving only partial digests since Saturday!  
Message-ID: <97Mar12.113119-0500\_est.10422-17662+74@hooch.cc.Lehigh.EDU>

> I have been receiving only a part of the digest since the weekend. This  
> problem existed about 2 - 3 weeks and somebody in the list complained.  
> But Jim came back and said he did not detect any problem. But we still  
> have this problem!  
>  
> I wonder how many have received their digest only partially. Jim, is it  
> some thing that can be fixed? I need my daily fix of QRP in full!

Sam,

I've investigated problems with folks receiving partial digests several times in the past. The problem has always been either due to a limit on the size of incoming e-mail (some mailers truncate, some bounce, some inform you and some don't) or a bug in the receiving SMTP server's implementation of the SMTP protocol where it doesn't handle lines beginning with a period properly. Please check with your site's e-mail wizard first, but if you can't get resolution let me know and I'll be happy to try to track down the problem. Of course if all 526 digest subscribers e-mail me I'll assume I have a problem here :-)

73  
Jim N3VXI

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Leon Heller <leon@lfheller.demon.co.uk>  
Subject: [14515] Re: HELP: RF Probe basic's.  
Message-ID: <PXTXjdAtbyJzEw8S@lfheller.demon.co.uk>

In message <19970312141933330.AAA208@ns1.megsinet.net>, ukii  
<ukii@megsinet.net> writes  
>Hello Gang.  
>Well, please suppress your laughter for a bit...  
>I am trying to use an RF probe, very similar to the one in the ARRL  
>handbook,  
>but don't know if I should have the meter on AC or DC! Yes, I know, but I have  
>been hiding out under NilsBulls front porch sniffing the discarded cider  
>jugs  
>and can't seem to tink kwrite klearle nemore.  
>Any help please?  
>(Might be helpful to the list, probe use, basic construction.)

DC

73, Leon

--

Leon Heller, G1HSM  
leon@lfheller.demon.co.uk  
Tel: +44 (0) 118 947 1424 (home)  
+44 (0) 1344 385556 (work)

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Phillip S. Rutledge" <rut@mcrut.mv.com>  
Subject: [14487] Re: Lubriplate  
Message-ID: <199703121749.MAA25431@bort.mv.net>

At 01:16 PM 3/12/97 GMT, you wrote:  
>At 11:04 AM 3/12/97 GMT, you wrote:  
>>Used that on all the sliding metal-to-metal surfaces on my teletype  
>>machines, ie 28's, 33's and 35's. Never had any problem with it.  
>  
>Remember, folks that is exactly what Lubriplate, or any other lithium-  
>soap based lube is for -- sliding surfaces. Not really designed for things  
>like bearings.

This stuff brings back memories, as it's what the USMC issued to us for use  
on our newly issued M14s in 1962!! My how time flies!

72== Phil (K1HS)

=====

Phil Rutledge--K1HS-- rut@mcrut.mv.com

ARCI#9265=Norcal#1797=N.E. QRP Club#489= QRP-L#820= CQC# 385

=====

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [14425] Re: New Ham ...  
Message-ID: <199703090047.RAA11141@usr05.primenet.com>

Howdy Jack (and any QRP-L Lurkers out there),

> One suggestion was to start with more power and get some experience  
> before working with QRP. Any other comments on this?

It's a thought to consider, but by all means if you want to try QRP from the start, GO FOR IT! :) I and many others have been QRP since first licensed. If you can put up a decent \*resonant\* antenna (see below) you \*will\* make contacts. Good way to start is to look for the strongest signals and call them, tail-end them, whatever. It works!

> An antenna is also a problem as I live on a small city lot and would  
> like to keep the antenna in the back yard and would prefer not to use  
> a tower. An antenna that would double for SWling would also be useful.

Can you fit a 40m inverted-vee/dipole? Even if it's low you'll work plenty of folks. Just make sure it's resonant.

For lower profile (and lower angle radiation) I had great success with a raised Hamstick vertical (six radials). Bagged 19 Foxes with it this year. It worked! Had to buy an extra-long whip to get it to be resonant on the lower end of 40m though - supplied whip was too short. And I could take it down (unscrew it from the mount) when I was done, so the neighbors never knew....

> My interest in QRP stems from not having a lot of \$\$\$ for the hobby and  
> that I enjoy making things. The idea of building my own rig really

> appeals to me.

Amen and pass the NE602! :-)) Though unless you have an experienced builder/Elmer to help you out, I'd strongly suggest starting with a commercial rig or a pre-built loaner from a friend. Too bad you don't live near Phoenix. :-))

Good luck and please keep us posted! Comments encouraged.  
The above items are all based on first hand experience.  
Anything else I just make up as I go along.... <grin>

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"QRP, Unix, MST3K and Babylon 5 - The Four Pillars of Nerdvana." - Me

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: launerb@crl.com (William H. Launer)  
Subject: [14441] Re: New Ham ...  
Message-ID: <v01530506af47bf86aab8@[192.0.2.1]>

The first transmitter I used as a novice was an 80M WWII ARC-5 with 400V on the plates. It probably only put out about 25 watts, not qrp, but certainly wasn't a qro rig by todays standards. I was using an ARC-5 receiver (broad as a barn), and a 75 ft. end fed wire antenna. I made contacts all over the country; usually if I could hear them, I could work them. I never felt the need for more power, just a more selective receiver. When I bought a used HQ-170 receiver, I thought I'd died and gone to heaven!

Until you develop the skills, you may not be able beat the competition and work the rare ones you hear, but you'll make plenty of casual contacts running qrp. In the meantime, you'll develop the operating skills needed to compete (and beat) the qro crowd, and have a lot of fun doing it! HF isn't like 2M repeater operation - you don't have to be "full quieting" to communicate.

72/73 Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]

qrp-l #279            qrp arco #3551  
Grid Square EM48RT

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: ak119@lafn.org (Rothan Maxwell)  
Subject: [14467] Re: OUR DIFFERENCES - - - - -  
Message-ID: <199703121600.AA10357@lafn.org>

>  
>From: Brad Bradfield     QLF  
>  
>Subj: OUR DIFFERENCES - - - - -  
>  
>  
>Max wrote:  
>  
>> In conclusion, I would like to say that it was not my intention to create  
>> factions or fights here on the list. We Low Power and QRP types have much in  
>> common, and I think we can benefit from and appreciate each other more by  
>> recognizing and understanding our differences.  
>>  
>> 73's max  
>  
>Good evening to my good friend and brother Max - -  
>  
>I think your final statement pretty well sums it up: we can all benefit from  
>each other regardless of what our personal interests and thrusts are. I  
>personally don't think there is a need for additional labels, and in fact I  
>tend to not like labels anyway because too often someone else will take  
>offense at them.

Hello Brad,

You are correct in what you say about labels, they can cause problems if  
used in a offensive way; but then they are quite helpful when used  
constructively.

[snip]

>  
>Diversity is what makes this world (and this hobby) great. The fact that we

>don't have to always agree on everything makes this world great too. God made  
>us all different and we'll allways stay that way.

>

>'Nuff said. Good to hear from you Max.

>

>

>

I have learned quite a bit about the opinions of those on this list, in regards to QRP, QRPers, etc; because of this tread. I'm sure that I have benefitted from the exchange of ideas.

Thanks again Brad, and it's good to hear from you also Brother...

73's de max (nu6u)

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: NilsBull@aol.com

Subject: [14396] Re: Pearl Press status reports

Message-ID: <970311210038\_822080052@emout09.mail.aol.com>

I got a note from one of the gang here saying "I enjoy reading your "debugging status reports". I think old manual printing presses qualify as QRP rigs, don't you?"

Well, yeah. Kinda. It's probably more like running an older tube transmitter and receiver, as in a tube rig that doesn't have all the cute little features that SSB tube rigs sometimes had. Like anything more than the selectivity control that used to be on WW II bomber receivers. (No, I don't remember the nomenclature. I wasn't born then and besides, I only know what they look like, not what they're called. Big green bandswitch knob looks like the lid on a blender or something.)

Running old fashion hand-fed, foot-&-treadle pumped cast iron presses is a lot more exercise than QRP. Unless you're running the rig off the stationary exercise bike-&-generatorizerony kinda deal. But you'd probably spend more time sittin' on your duff settin' the type than you would running any radio. Unless you're running a type caster, in which case you gotta factor in the lead-oxide dust and sprues off the back blade of the mold. But that's another story.

It's like rebuilding an old Johnson Viking that won't do anything but key up full tilt even with the key open. (Yeah, I know: tubes... you gotta get tubes what ain't gone soft....) Once you get all the waxy caps replaced and all the chokes checked and blown all the dust and dead mouse droppings out of the



chassis, you still gotta go through hell getting the tubes. Like finding a 74HC240 when all the store's got is HCT240s, which I understand on good authority is a very uncool substitution.

So the Pearl? Well, I'm headed over to Dave Churchman's Sterling Type Foundry on Saturday to get the missing chunks of cast iron that will prevent the base from folding over and thus breaking (again) the throw off lever, the roller arms and one of the little toggle/lever doodads on the throw-off excentric cam assembly. (Doesn't techno talk in something you don't wanna know about really cheeze you off? Sure does me. Here.... have one of these cheese otters... you'll feel better soon enough.)

Of course, to do all this, I'm taking with me part of the Grinnin' Turkey Type Foundry stash of hazardous waste (a 5-gallon paint bucket full of sprues and dead type metal), a bunch of 12x18 aluminum galleys, a 40-slot, half-height galley cabinet, a kerning machine (yeah, you used to have to actually machine the notches under the cross-bar of upper case Ts and the like) and some other crap that I don't want cluttering up what's left of the garage. Dave will probably give me some old ink or something in trade. The parts I gotta pay for. Expect it to happen.

Weird thing though: I got a call the other day from Tom Ebbert (of the sometimes noticed in various ham mags advertising as "Ebbert Graphics & Stamps" what used to have a booth at the Dayton Hamvention sellin' QSL printing, so as you'd know about him). He wants to go over to Dave's with me. That'll be weird. We ain't seed each other in maybe five years or more. Hmmm...

And I almost got fired up about building a box for the NC38S which I have yet to take in to work and put on a scope for a real look-see. Did get a neat 10:1 reduction drive from Dan's SP&K, which makes tuning really neat. Sli-i-i-i-i-i-i-ide through the signals. Verrry slo-o-o-o-owly. Maybe I will have one fixed up for Dayton. If my luck and the weather holds out.

Did I say that Ebbert actually might take the type caster too? Set the hook and reel 'em in, I say.

See ya on the air . . . which actually does happen. 'Though I spend most of the time listening for someone talking about their NC38S. Hmmm . . . Maybe Ebbert needs one of these too . . . (Sound of fish line paying out: "zi-i-i-i-i-e-e-e-e-e")

73

Nils

WB8IJN +c

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: ka7you@juno.com  
Subject: [14414] Re: Power Connectors  
Message-ID: <19970308.140354.17119.16.KA7YOU@juno.com>

Zack,

Thanks for the great summary. I think you pretty much said it all. I received several private responses to the effect that we were trying to 'force' some standard on everyone. I replied to each that this was not the case, but only a discussion of the merits of each type. Hopefully nobody thought we trying to gore their " Sacred Ox".

You seemed to be generally in favor of the molex, and I was obviously extolling the virtues, while not failing to mention the drawbacks, of the Anderson Power Poles.

Many other versions were mentioned, and each has it's own advantages, and drawbacks. I still have 15 to 20 connectors using the 3-pin Molex configuration, but they are slowly being phased out.

Thanks again-the group buy may still happen, but the 1000 piece price break is only one penny per contact, and we need 1000 of each (red and black), so that plateau may not be attainable.

Also I got my new Allied Electronics catalog, and the local Anderson distributor can still beat their price-just barely.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
NWQRP/#120 ARCI/#7251  
QRP-L/#844

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: tim\_hynde@idecc.com  
Subject: [14458] Re: QRP-L digest 662  
Message-ID: <9703128581.AA858178709@idec\_mail.idecc.com>

Just a quick post to update all on my new mobile adventure. Leaving the Detroit area for a trade show in Chicago I decided to stick the NorCal 40A in the car and hook up the 40m hamstick thats been collecting dust in my garage. Not wanting to use headphones I built a cassette adaptor and used the car audio system. (I'll write it up and send it to QRPp) It worked GREAT!, straight key on a 1/4" metal plate sitting in the passenger seat was plenty stable enough to pound out some decent CW.

Most were pretty surprized to hear a 2w mobile.

| CALL   | RECEIVED                     |
|--------|------------------------------|
| w9mse  | 339 county hunters net       |
| w9cbe  | wi test                      |
| n9ez/m | wi test                      |
| wi9wi  | wi test                      |
| w1fl   | 559 Stowe, VT Andy           |
| ny0g   | 559 prop shifted fast & lost |
| n1uiv  | 559 Blackston, MA Norm       |
| w5lan  | 569 New Boston, TX Mo        |
| n5bu   | 569 Grapevine, TX Bill       |
| wd5csk | 579! Edmond, OK Ron          |

The return trip is for Thursday night. Look for me!

Tim, ka8ddz

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Gary R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>  
Subject: [14514] Re: QRP-L digest 662  
Message-ID: <332737A1.7161@edcen.ehhs.cmich.edu>

I'm impressed Tim, Norcal 40 @ 2 watts mobil!! Wow, you had a long list for two watts into a ham stick. That should answer a few questions for the op's who wanted to know how a ham stick worked portable or mobil.

Here I thought I was doing well with my FT-990 at 90 watts!

Keep the list posted on your return trip contacts.

Gary/N8AYY

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [14428] Re: Repeat Messages  
Message-ID: <3.0.16.19970311215307.22c7245a@mail.lightside.com>

Ken:

Just went through the same thing...whew! Thanks, thoght it was me.

72's & 73's

--Dan--  
WA6PBY

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [14451] Re: Repeat Messages  
Message-ID: <3326B75E.5298@dancris.com>

Yup...a whole bunch of them dated March 8th.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Steve Hurst" <shurst@magiclink.com>  
Subject: [14464] Re: Repeat Messages  
Message-ID: <199703121523.KAA30430@nss2.CC.Lehigh.EDU>

Same here Ken, so we both are Psychic :-) Of all the things I've lost , I miss my mind the most !!!

73,  
Steve Hurst  
KA7NOC  
dit dit

-----

> From: Ken Lopez <kjlopez@earthlink.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Repeat Messages  
> Date: Tuesday, March 11, 1997 10:43 PM  
>  
> Is it just me, or are we getting messages repeated a few days after the  
> original post? I am having serious deja vu tonight as I read through  
> the messages. There are at least a dozen that I am sure are repeats.  
> Either I am loosing my mind, or I am Psychic, or, they are being resent  
> by nefarious types to subvert us. What say you all...  
>  
> Ken, N6TZV

>

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Arjen Raateland, SYKE/YV, puh. 09 4030 0457" <Arjen.Raateland@vyh.fi>  
Subject: [14511] Re: Sierra Power Output  
Message-ID: <01IGFNAUNX5Y8Y6CRS@vyh21.vyh.fi>

> The issue contained a very interesting article by Bob Follet WA7FCU on  
> his efforts to improve the output power from his Sierra. Since that was  
> the next project on my list I decided to attack the problem. Well after  
> putting in all of the mods I determined appropriate except for the final,  
> I was able to increase the output power by approximately 3db. The most  
> challenging band was 15 meters where the stock radio only put out 1 watt.  
> This increased to almost 2 watts. 40 meters went from 2 to 3 watts.

> I would highly recommend that anyone desiring to increase the output  
> power from their Sierra make the changes indicated by Bob, especially the  
> MRF237.

Wouldn't it be interesting to learn what the tweaking does to the  
spectral purity of the output signal?

I haven't got the proper instruments, but I've done some testing. I  
have changed the output filter values of my Sierra on some bands to  
the values given by W6EMD. Lacking a spectrum analyser, I think I can  
get some indication of signal purity from my directional wattmeter  
that is connected to my Matchbox type antenna tuner and balanced feed  
antenna. The tuner & antenna will produce 50 Ohm resistive only at the  
fundamental frequency and reflect harmonics & spurious energy. So if  
the output is 3000 mW and there is a residual reflected power is 1 mW  
an estimate of the harmonics suppression is 1000 or -30 dB. (BTW, I  
need to go below this, as the requirement is 40 dB suppression)

Well, if I turn up the wick (drive trimmer), above a certain point the  
power reflected from the selective load comes up quite clearly. I'm  
not prepared to quote any numbers on this, but it can readily be seen.

I'm not certain why, but in order to reduce the residual value of the  
reflected power to zero, I need to reduce the output power to less  
than 2 W on 80 m. Turning the drive up makes the harmonics come up  
quite markedly above a certain point. I haven't tested any other bands  
than 80 m. There is a ferrite bead on the base of the 2N2222A.

The phasing of the output driving transformer is correct per the  
instructions and I've checked it on a 'scope, too. I wonder if it's

possible that either the 2N2222A or the 2N3553 was damaged during my experimenting so that they work but aren't a 100% OK anymore.

To be able to experiment with the TX circuit I started to build up the three last stages of the Sierra TX on a separate board. The first stage (J309) did at first oscillate at some unknown frequency w/o any input until I put a ferrite bead on the gate lead. Input signal is from an Autek RF-1! The emitter pot of the 2N2222A lets the output power be adjusted up to 125 mW or so before signs of instability occur. Perhaps this is when the 2N2222 starts to go into class C. Measurements were done with an RF-probe only which doesn't tell a whole lot.

The final in my test setup will have to be an RCA 4013 (the substitute Dan's small parts offers for the 2N3553). It'll be quite a bit safer and easier to prod this test TX instead of the Sierra with an oscilloscope probe at my QRL.

Still, spectrum analyser results under varying drive conditions would be interesting.

73, OH2ZAZ

Arjen Raateland

--... ..- -... . --- ..... ..- - -... ..- - -...

Finnish Environment Institute, Helsinki, Finland

SAS Support

EMAIL: Arjen.Raateland@vyh.fi

tel. +358 9 4030 0457

fax +358 9 4030 0490

..-.. -.-

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: gsurrency@juno.com

Subject: [14445] Re: Signal Reprts Accuracy & HAARP-serious inquiry

Message-ID: <19970308.221557.3294.1.gsurrency@juno.com>

Ya know Jack, you MUST have a "magic" QTH. That can be the only explanation!

I once had a similar QTH when I lived in Florida, and could always hear things that no one else could. Consider yourself lucky, a good op, and those "other" hams "signal challenged". ;-)

I wouldn't lose any sleep over it.

72,

Gary Surrency AB7MY  
S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
Az ScQRPions  
QRP-L #571

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [14424] Re: Techniques/Books, etc...  
Message-ID: <199703120516.WAA06896@usr09.primenet.com>

Howdy Brian,

> 1) My post the other day asked about "Operating  
> Technique" and I have received NOT ONE reply!

Hmmm.... never saw it.... sorry!

Posting to QRP-L is a bit like fishing - sometimes the fish  
are biting anything that moves, sometimes they get distracted  
and won't come near the lure. The night before and during a  
big Fox hunt tends to be pretty distracting, I've noticed. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions

PS- Either don't have or haven't seen the other stuff you  
asked about. Good luck.

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [14437] RE: Trade QRO for QRP  
Message-ID: <970312092317Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

If this swap goes ahead, will anyone admit to taking it up on the  
list?

Or is this just like the bit in George Orwell's book where Big Brother traps an unwary person into making a mistake so that he can "re-educate" him?

Watch out for Amateurs bearing gifts.....

Cheers de Dave (G0DJJA)

"How far that little candle throws its beams!" Merchant of Venice  
Act 5

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: EScott@gstworld.net  
Subject: [14390] RE: Used to be a QRPer but...(Short)  
Message-ID: <00016340.3117@gstworld.net>

Splitting hairs will make you blind AND crazy...'nuf said.

Erin KC7LEU QRP-L# 923  
escott@gstworld.net  
ekscott@ibm.net  
KC7LEU@N7UVH.#NID.ID.USA.NOAM

Why isn't phonetic spelled the way it sounds?

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: ka7you@juno.com  
Subject: [14416] Re: Wet Weather work?



Message-ID: <19970308.140354.17119.17.KA7YOU@juno.com>

Zack,

The survey crews use "Write in the Rain" books. As a Geology student, I got quite familiar with them here in the the Great NorthWET.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz

NWQRP#120 ARCI#7251

QRP-L#844

On Sat, 8 Mar 1997 10:16:00 -0500 "Lau, Zack, W1VT" <zlau@arrl.org> writes:

>

>I found that the best way to log contacts

>in the rain is to use a pencil and write

>on a painted white surface. I use the

>back of a 2 ft parabolic dish.

>

>Is there a good way to glue stuff together

>in the rain? Or some sort of tape that still

>works? I've even had problems in a heavy

>wet fog.

>

>Zack Lau W1VT

>

>BTW--10 GHz can be really exciting when

>its raining--the water droplets are just the

>right size for scattering the signal around

>hills.

>

>

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: kt3a@juno.com

Subject: [14408] Re: Which Box for my 38 Special?

Message-ID: <19970311.202052.9199.10.kt3a@juno.com>

Try the Bud cabinet # CU-234.

They are about \$14.00 from Mouser.

The board is only about 1/4 inch smaller length and width than the top of this cabinet. You could mount the knobs on top as in a backpacking rig. If you are running milliwatts, you may be able to fit the batteries in there as well. This is a cast

aluminum box and they are easy to drill and debur.

72 Cam, kt3a

On Sun, 9 Mar 1997 09:41:16 -0700 n5zgt@swcp.com (Brian Mileschosky) writes:

>Hello Everybody,

> Which box should I buy to enclose my 38 Special? I'm looking for

>something

>that is large enough for the 5 watt mod, RIT mod and TiCK mod, but I'd

>like

>it to be small enough for backpacking.

> I went to a few electronic stores here in town and had no luck. It

>was

>either too big, or too small. Any help would be appreciated!

>72,

>Brian, N5ZGT

>

>

>

>-----  
> Boy Scouts of America                      Amateur Radio - N5ZGT

> Eagle Scout (12-6-96)    ARRL    QRP: NorCal# 1700 QRP-L# 580 AK/QRP

># 125

> JASM - Troop 41                      Author of Worldradio's "Youth Forum"

>Column

> Albuquerque, N.M.                      Packet: N5ZGT @

>KC5IZT.ALBQ.NM.USA.NOAM

> O.A. Lodge 66 <-W-W-W-<<                      Internet: n5zgt@swcp.com

>

>-----

>

>

>

>

>

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997

From: Monte Stark <ku7y@sage.dri.edu>

Subject: [14417] Re: WHINE!

Message-ID: <Pine.SUN.3.90.970311204441.27489A-1000000@vortex.sage.dri.edu>

Hi John and all,

Talk about a pile up during the first hour! I was having a hard time pulling S8 stations out of the mess!!! But I was

loving it.....

Then.....bingo.....things just went almost dead soon after  
0300z.....

Wound up with a raw count of 73.....missed my 100, but the darn  
noise came up here and might have cost me a lot of contacts. There  
were some that I could hear in there but just couldn't get enough  
of the call to make it. I hope you all got through later.

There were some good signals from CA early but then the Texans  
found us and they put the RF shield up! Not sure if Chuck had  
them all out having Pizza or not.....did hear Stan after the  
hunt but the QRN here was too bad to even try to stay on.

Head is still ringing!

Will dupe the log and post tomorrow.

Thanks for all. Super bunch of folks here, that's for sure!

cul,

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: cooper@gmpvt.com (Tom Cooper)  
Subject: [14466] RE: You know you're QRP when...  
Message-ID: <199703121553.KAA02916@web.gmpvt.com>

you get excited about working someone on 40M when you can hit the  
repeater at his house on 2M with your handheld.

Tom W1EAT

From owner-qrp-l@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
Subject: [14463] Re: You know you're running QRP when...  
Message-ID: <Pine.OSF.3.95.970312085408.31013A-100000@duke.usask.ca>

You wish your digital watch came with booster cables so you wouldn't have to carry an extra battery for the rig ;-)

Brian.

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| Keep Cool, but Don't Freeze                                     |
|           - Hellman's Mayonnaise                               |
+-----+
```

From owner-qrp-1@Lehigh.EDU Wed Mar 12 18:04:00 1997  
From: Steve/n0tu <N0TU@webaccess.net>  
Subject: [14465] Re: You know you're running QRP when...  
Message-ID: <3326CAF5.850@webaccess.net>

You know you're running QRP when...your rig, battery, and antenna fit into your shirt pocket!

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"Just doing it" - Havin'a blast buildin'& usin' QRP gear that is...
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911
My homepage - http://www.webaccess.net/~S&P ARS# 206 CQC# 394
```